

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



## Certificate of Accreditation

### **METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

has been assessed and accredited in accordance with the Standard  
**ISO/IEC 17025:2017**

“General Requirements for the Competence of Testing and Calibration Laboratories”  
In the field of  
**Testing**

This certificate remains valid for the Scope of Accreditation as specified  
in the annexure subject to continued compliance to the above standard &  
any other requirements specified by QAI.



**QAI/CIA/TL/2025/0107**

Valid from: 07 March 2025

Valid until: 06 March 2027

**Dr. Bhupendra Kumar Rana**  
Chief Executive Officer

**Prof. Vikram Kumar**  
Chair, CIA



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Scope of Accreditation

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Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather &amp; Leather Products</b>		
1.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Colour fastness to washing	IS/ISO 105-C10: 2006,
2.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Colour fastness to washing	Cl. 4.1.1.2, 4.1.3.2, 4.1.5.2, 4.1.6.3 of IS 3736 (A1: 1999 + A2: 2001 + A3: 2003): 1995, Ref. of IS/ ISO 105-C10: 2006
3.	Leather & Footwear	Colour fastness to rubbing/ crocking	Cl.8.1(B),14.1(B),8.2,14.2 of IS 1989- 1 (A1:1988+A2:1995+ A3:1998 +A4:2003):1986, Ref. of IS 578:2023, IS 3840:2011(Ref, IS 6191: LF: 9)
4.	Leather & Footwear	Colour fastness to rubbing/ crocking	Cl.8.1,14.1,8.2,14.2 of IS 1989-2 (A1:1988+ A2:1999):1986, Ref. of IS 578:2023, IS 3840:2011(Ref, IS 6191: LF: 9)
5.	Leather & Footwear	Colour fastness to rubbing/ crocking	IS 3840 (A1:2021):2011, Sr. No- v of table 1 Ref, IS 6191: LF: 9
6.	Leather & Footwear	Colour fastness to rubbing/ crocking	ISO 17700:2019 method A&B,
7.	Leather & Footwear	Colour fastness to rubbing/ crocking	ISO 11640:2018
8.	Leather & Footwear	Colour fastness to rubbing/ crocking	Cl.3.5 of IS 5677 (A1:1993+A2:2021): 1986 ref. of LF:10 of IS 6191: 1971
9.	Leather & Footwear	Colour fastness to rubbing/ crocking	IS 6191 (Ref. of LF:9, LF 10): 1971,

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1 of 248

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather &amp; Leather Products</b>		
10.	Leather & Footwear	Colour fastness to rubbing/ crocking	SATRA TM167-2017
11.	Leather & Footwear	Colour fastness to rubbing/ crocking	Cl. 5.2.1 of IS 11226 (A1: 1994 + A2: 1998): 1993, Ref. of IS 5677: 1985(Ref. of IS 6191:1971(LF:10)
12.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Resistance to fuel oil	Cl. 4.14.10 of IS 17037 (A1: 2021):2018, Ref. of IS 15298-1(Cl: 8.6.1)
13.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Resistance to fuel oil	Cl. 8.6 of IS 5557 Part 2 (A1: 2020): 2018, Ref. of IS 15298-1(Cl: 8.6.)
14.	Footwear-Sports Footwear	Colour fastness to Rubbing	IS 6191 (Part 4): 2024
15.	Footwear-Sports Footwear	Colour fastness to Rubbing	ISO 11640: 2012 (Cl. 4.4 of IS:15844 (Part 1) :2023 &
16.	Footwear-Sports Footwear	Colour fastness to Crocking	IS/ISO 105-X12 (Cl. 4.5 of IS:15844 (Part 1) :2023)
17.	Footwear-Sports Footwear	Colour fastness to perspiration	Cl. 4.5 of IS:15844 (Part 1) :2023, Ref. of IS/ ISO 1065 X12: 2016
18.	Footwear-Sports Footwear	Colour fastness to perspiration	Cl. 7.3 of IS:15844 (Part 2) :2023, Ref. of IS 6191-6:2023/ ISO 11641: 2012
19.	Footwear-Shoes	Colour fastness to rubbing	(Clause 6.1.1 of IS 17043 (P2):2024)) Ref. of ISO 11640: 2012
20.	Footwear-Shoes	Colour fastness to water	(Clause 6.1.1 of IS 17043 (P2):2024)) Ref. of ISO 11642:2012

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[www.qai.org.in](http://www.qai.org.in)



2 of 248

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather &amp; Leather Products</b>		
21.	Footwear-Shoes	Colour fastness rubbing	(Clause 6.2 of IS 17043 (P2):2024) Ref. of ISO IS/ISO 105 X12: 2016
22.	Footwear-Shoes	Colour fastness to perspiration	(Clause 6.2 of IS 17043 (P2):2024) Ref. of IS 6191-Part 6: 2023
23.	Footwear-Jungle Boots	Colour Fastness to Washing	Clause 5.18.2 of IS 17861: 2022, Ref. of IS/ISO 105 C10: 2006
24.	Footwear-Shoes	Colour fastness rubbing (to and fro) grey scale rate	(Clause 7.2 of IS 15844 (Part 3): 2024) Ref. of IS 6191 (Part 4): 2024/ISO 11640: 2018
25.	Footwear-Shoes	Colour fastness to rubbing	(Clause 7.3 of IS 15844 (Part 3): 2024) Ref. of IS/ISO 105-X12:2016
26.	Footwear-Shoes	Colour fastness to perspiration	IS 6191 (Part 6)/ISO 11641 (Clause 7.3 of IS 15844 (Part 3): 2024)
27.	Personal Protective Equipment part 1	pH value	Cl. 6.9 of IS 15298-1: 2024, ref. of ISO 4045
28.	Personal Protective Equipment part 1	Determination of resistance to fuel oil	Cl. 8.8 of IS 15298-1: 2024
29.	Personal Protective Equipment Part 2 Safety Footwear	Resistance to fuel oil	Cl 6.4.2 of IS 15298-2: 2024
30.	Personal Protective Equipment Part 3 Protective Footwear	Resistance to fuel oil	Cl 6.4.2 of IS 15298-3: 2024
31.	Protective footwear for motorcycle riders	pH value	Cl. 4.4.1 of ISO 13634: 2017, Refy
32.	Protective footwear for motorcycle riders	pH value	Cl. 4.5.4 of ISO 13634: 2017, Ref. of ISO 4045:2018

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[www.qai.org.in](http://www.qai.org.in)



3 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather &amp; Leather Products</b>		
33.	Protective footwear for motorcycle riders	pH Value	Cl. 5.7.2 of ISO 13634: 2017 Ref. of ISO 4045:2018
34.	Protective footwear for motorcycle riders	Resistance to fuel Oil	Cl. 5.3 of ISO 13634: 2017, ref. of ISO 20344:2021 (Cl 8.8)
35.	Polyvinylchloride (PVC) Industrial Boots	Resistance to fuel oil	Cl 5.4.8.6 of IS 12254: 2021, Ref. of IS 15298-1(Cl 8.6.1)
36.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Resistance to Fuel Oil	Cl 6.5.5 of IS 14544: 2022, Ref. of ISO 15298-2: (Cl 8.6.1)
37.	Canvas shoes, rubber sole	Colour fastness to Washing	Cl 4.1.1.2 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Table 1, Sr. No- 1 & 2, Ref. of IS/ISO 105-C10: 2006
38.	Canvas shoes, rubber sole	Color Fastness to Washing	Cl 4.1.3.2 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Table 3 (Ref. IS 765: 1979)
39.	Canvas shoes, rubber sole	Color Fastness to Washing	Cl 4.1.3.2 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Table 3(Ref. IS 971: 1979)
40.	Safety rubber canvas boots for miners	Resistance to Fuel Oil	Cl 7.1 of IS 3976:2018 (A1: 2021, A2:2024), Ref of IS 15298-1(Cl 8.6.1)
41.	High Ankle Tactical Boots with PU — Rubber Sole	Resistance to Fuel Oil	Cl 6.1 of IS 17012: 2018, Ref of IS 15298-1(Cl 8.6.1)

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[www.qai.org.in](http://www.qai.org.in)



4 of 248

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather &amp; Leather Products</b>		
42.	Personal protective equipment — Test methods for footwear	pH value	Cl 6.9 of BS EN ISO 20344: 2021/ Cl 6.9 of BS EN ISO 20344: 2021+A1:2024, Ref. of Iso 4045: 2018
43.	Personal protective equipment — Test methods for footwear	Determination of pH value	Cl 6.9 of ISO 20344: 2021/ Cl 6.9 of ISO 20344: 2021+A1+2024
44.	Personal protective equipment — Test methods for footwear	Resistance to fuel oil	Cl 8.8 of ISO 20344: 2021/ Cl 8.8 of ISO 20344: 2021+A1+2024,
45.	Personal protective equipment — Test methods for footwear	Determination of resistance to fuel oil	Cl 8.8 of ISO 20344: 2021/ Cl 8.8 of ISO 20344: 2021+A1+2024
46.	Personal protective equipment - Safety footwear	pH Value	Cl. 5.3.6 of BS EN ISO 20345:2022/ Cl. 5.3.6 of BS EN ISO 20345:2022+ A1:2024, Ref. ISO 4045: 2018
47.	Personal protective equipment - Safety footwear	pH Value	Cl. 5.3.6 of ISO 20345:2022/ Cl. 5.3.6 of ISO 20345:2022+ A1:2024, Ref. ISO 4045
48.	Personal protective equipment - Safety footwear	Resistance to fuel oil	Cl. 6.4.2 of BS EN ISO 20345:2022/ Cl. 6.4.2 of BS EN ISO 20345:2022+ A1:2024, Ref. of ISO 20344:2021(CI 8.8.2.1)
49.	Personal protective equipment - Safety footwear	Resistance to fuel oil	Cl. 6.4.2 of ISO 20345:2022/ Cl. 6.4.2 of ISO 20345:2022+ A1:2024, Ref. of ISO 20344:2021(CI 8.8.2.1)

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5 of 248

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather &amp; Leather Products</b>		
50.	Personal Protective Equipment- Protective Footwear	pH Value	Cl. 5.3.6 of BS EN ISO 20346:2022/ Cl. 5.3.6 of BS EN ISO 20346:2022+ A1:2024, Ref. of ISO 4045: 2018
51.	Personal Protective Equipment- Protective Footwear	pH Value	Cl. 5.3.6 of ISO 20346:2021/ Cl. 5.3.6 of ISO 20346:2021+ A1:2024, ref. of ISO 4045:2018
52.	Personal Protective Equipment- Protective Footwear	Resistance to Fuel Oil	Cl. 6.4.2 of BS EN ISO 20346:2022/ Cl. 6.4.2 of BS EN ISO 20346:2022+ A1:2024, Ref. of ISO 20344: 2021 (Cl 8.8.2.1)
53.	Personal Protective Equipment- Protective Footwear	Resistance to Fuel Oil	Cl. 6.4.2 of ISO 20346:2021/ Cl. 6.4.2 of ISO 20346:2021+ A1:2024, Ref. of ISO 20344: 2021 (Cl 8.8.2.1)
54.	Personal protective equipment — Occupational footwear	pH Value	Cl. 5.3.5 of BS EN ISO 20347:2022/ Cl. 5.3.5 of BS EN ISO 20347:2022+ A1:2024, Ref. of ISO 4045:2018
55.	Personal protective equipment — Occupational footwear	pH Value	Cl. 5.3.5 of ISO 20347:2021/ Cl. 5.3.5 of ISO 20347:2021+ A1:2024, Ref. of ISO 4045:2018
56.	Personal protective equipment — Occupational footwear	Resistance to fuel oil	Cl. 6.4.2 of BS EN ISO 20347:2022/ Cl. 6.4.2 of BS EN ISO 20347:2022+ A1:2024, Ref. of ISO 20344: 2021 (Cl 8.8.2.1)

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6 of 248

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather &amp; Leather Products</b>		
57.	Personal protective equipment — Occupational footwear	Resistance to fuel oil	Cl. 6.4.2 of ISO 20347:2021/ Cl. 6.4.2 of ISO 20347:2021+ A1:2024, Ref. of ISO 20344: 2021 (Cl 8.8.2.1)
58.	Personal Protective Equipment- Test Method	Resistance to fuel oil	Cl 8.6 of SASO ISO 20344: 2011, Ref. of ISO 20344: 2011(Cl 8.8.2.1)
59.	Personal Protective Equipment- Safety Footwears	pH Value	SASO ISO 20345:2011 clause 5.4.7, Ref. of ISO 4045
60.	Personal Protective Equipment- Safety Footwears	pH Value	SASO ISO 20345:2011 clause 5.5.4, Ref. of ISO 4045
61.	Personal Protective Equipment- Safety Footwears	pH Value	SASO ISO 20345:2011 clause 5.6.2, Ref. of ISO 4045
62.	Personal Protective Equipment- Safety Footwears	pH Value	SASO ISO 20345:2011 clause 5.7.2, Ref. of ISO 4045
63.	Personal Protective Equipment- Safety Footwears	Resistance to Fuel Oil	SASO ISO 20345:2011 clause 6.4.2
64.	Personal Protective Equipment- Protective	pH Value	SASO ISO 20346:2007- clause 5.4.7, Ref. of ISO 4045
65.	Personal Protective Equipment- Protective Footwears	pH Value	SASO ISO 20346:2007 clause 5.5.4, Ref. of ISO 4045
66.	Personal Protective Equipment- Protective Footwears	pH Value	SASO ISO 20346:2007 clause 5.6.2, Ref. of ISO 4045
67.	Personal Protective Equipment- Protective Footwears	pH Value	SASO ISO 20346:2007 clause 5.7.2, Ref. of ISO 4045
68.	Personal Protective Equipment- Occupational Footwears	Resistance to Fuel Oil	SASO ISO 20346:2007 clause 5.8.7, Ref. of ISO 20344:2004 (Cl 8.6.1)

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7 of 248



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather &amp; Leather Products</b>		
69.	Personal Protective Equipment-Occupational Footwears	pH Value	SASO ISO 20347:2007- clause 5.4.7, Ref. of ISO 4045
70.	Personal Protective Equipment-Occupational Footwears	pH Value	SASO ISO 20347:2007- clause 5.5.4, Ref. of ISO 4045
71.	Personal Protective Equipment-Occupational Footwears	pH Value	SASO ISO 20347:2007- clause 5.6.2
72.	Personal Protective Equipment-Occupational Footwears	pH Value	SASO ISO 20347:2007- clause 5.7.2
73.	Personal Protective Equipment-Occupational Footwears	Resistance to Fuel Oil	SASO ISO 20347:2007- clause 6.4.5, Ref. of ISO 20344:2004 (Cl 8.6.1)
74.	Leather & footwear Component	pH Value	IS 17011: 2018, Ref. of ISO 16258: 2015
75.	Leather & footwear Component	pH Value	IS 1390: 2022



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
1.	Bed sheet and pillow cover	Colour fastness to perspiration (acidic and alkaline)	IS 17630:2021, Clause-6, (Table-1)-ii, Ref. of ISO IS /ISO 105-E04:2013
2.	Bed sheet and pillow cover	Colour fastness to perspiration (acidic and alkaline)	IS /ISO 105-E04:2013
3.	Bed sheet and pillow cover	Colour fastness to washing	IS 17630:2021, Clause-6, (Table-1)-iii, Ref. of Iso IS /ISO 105-C06:2010
4.	Bed sheet and pillow cover	Colour fastness to washing	IS /ISO 105-C06:2010
5.	Bedsheets, Pillow cover & Blanket cover	Colour Fastness to Washing	IS 18739, Table-3, clause-3.1, Ref. of IS/ ISO 105 C10: 2006
6.	Bedsheets, Pillow cover & Blanket cover	Colour Fastness to Washing	IS/ISO 105-C10: 2006
7.	Bedsheets, Pillow cover & Blanket cover	Colour Fastness to Perspiration	IS 18739, Table-3, clause-3.1, Ref. of IS/ISO 105-E04:2013
8.	Bedsheets, Pillow cover & Blanket cover	Colour Fastness to Perspiration	IS/ISO 105-E04: 2013
9.	Bedsheets, Pillow cover & Blanket cover	Soil Release Oily Stain Release	IS 18739, Annex-C, Clause-3.8
10.	Cotton Towelling & Towels (Fabric)	Colour Fastness to Washing	IS 7056, Table-3 (VII)(b), clause-3.2.1, Ref. of IS/ISO 105- C10: 2006
11.	Cotton Towelling & Towels (Fabric)	Colour Fastness to Washing	IS/ISO 105-C10: 2006
12.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to domestic & Commercial Laundering	ISO 105 C06:2010

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9 of 248

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## Centre for International Accreditation

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
13.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to domestic & Commercial Laundering	ISO 105 C08:2010
14.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to domestic & Commercial Laundering	ISO 105 C10:2010
15.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to domestic & Commercial Laundering	ISO 105 C09:2010
16.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to domestic & Commercial Laundering	AATCC TM61 :2022
17.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to domestic & Commercial Laundering	BS EN ISO 105 C06: 2010
18.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to Dry-Cleaning	ISO 105 DO1:2010
19.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to Dry-Cleaning	AATCC TM132:2013
20.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to Perspiration	ISO 105 E04:2013
21.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to Perspiration	AATCC TM15:2021
22.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to Perspiration	SATRA TM 335: 2018
23.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to Sea water	ISO 105 E02:2013

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10 of 248

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
24.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to Sea water	AATCC TM106:2013
25.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to saliva	DIN 53160-1:2010
26.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to saliva	DIN 53160-2:2010
27.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to Yellowing	ISO 105 X18:2007
28.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to Chlorine	AATCC TS-001:2018
29.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to Non-Chlorine Bleach	AATCC TS-001:2018
30.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness TO Water Spotting	AATCC TM104:2014
31.	Textile Fabric & garment, Textile Products & Accessories	Colourfastness to Storage: Dye Transfer	AATCC TM163:2022
32.	Textile Fabric & garment, Textile Products & Accessories	Soil Release: Oily Stain Release Method	AATCC TM130:2018
33.	Textile Fabric & garment, Textile Products & Accessories	Appearance of apparel and other textile product after domestic washing and drying/repeated home laundering	ISO 15487:2018

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[www.qai.org.in](http://www.qai.org.in)



11 of 248



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
34.	Textile Fabric & garment, Textile Products & Accessories	Smoothness Appearance of Fabrics after Repeated Home Laundering	AATCC 124:2018
35.	Bed sheet and pillow cover	Cleanliness–microbial	ISO 11737-1:2018
36.	Bed sheet and pillow cover	Cleanliness–microbial	IS 17630:2021, Clause-7.1, (Table-2)- vi, Ref. of ISO 11737-1: 2018
37.	Bed sheet and pillow cover	Biocompatibility Evaluation	IS 17630:2021, Clause-7.1, (Table-2)-viii, ref. of ISO IS/ISO 10993- 5:2009 & 10: 2010
38.	Bed sheet and pillow cover	Biocompatibility Evaluation	IS/ISO 10993- 5 :2009
39.	Non-woven Fabric for Wipes	Fiber identification	IS 17788, Table1(i), clause-6.1: 2021, Ref. of IS 667: 1981
40.	Non-woven Fabric for Wipes	Fiber identification	IS 667: 1981
41.	Non-woven Fabric for Wipes	Ph Value	IS 17788, Table (vi), clause-6.1, ref. of IS 1390: 2022
42.	Non-woven Fabric for Wipes	Ph Value	IS 1390:2022
43.	Bedsheets, Pillow cover & Blanket cover	PH Value	IS 18739, Table-2, clause-3.1, Ref. of IS 1390: 2022
44.	Bedsheets, Pillow cover & Blanket cover	PH Value	IS 1390: 2022
45.	Bedsheets, Pillow cover & Blanket cover	Fiber content	IS 18739, Table-1 clause-3.1, Ref. of IS 667: 1981
46.	Bedsheets, Pillow cover & Blanket cover	Fiber content	IS 667: 1981

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12 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
47.	Bedsheets, Pillow cover & Blanket cover	Colour Fastness to Bleaching Hypochlorite	IS 18739, Table-3, clause-3.1, Ref. of IS IS/ISO 105-N01: 1993
48.	Bedsheets, Pillow cover & Blanket cover	Colour Fastness to Bleaching Hypochlorite	IS/ISO 105-N01: 1993
49.	Cotton Towelling & Towels (Fabric)	Identification of material	IS 7056, Table-3, clause-3.2.1, ref. of IS 667:1981
50.	Cotton Towelling & Towels (Fabric)	Identification of textile fibre	IS 667: 1981
51.	Cotton Towelling & Towels (Fabric)	Ph Value	IS 1390: 2022
52.	Cotton Towelling & Towels (Fabric)	Ph Value	IS 7056, Table-3, clause-3.2.1, Ref. of IS 1390: 2022
53.	Cotton Towelling & Towels (Fabric)	Colour Fastness to Hypochlorite	IS/ISO 105-N01: 1993
54.	Cotton Towelling & Towels (Fabric)	Colour Fastness to Hypochlorite	IS 7056, Table-3, clause-3.2.1, ref. of IS/ISO 105-N01: 1993
55.	Textile, Textile Products & Accessories	Mixtures of Regenerated Cellulose Fibres and Cotton	IS 1889-4: 1979 RE:2020
56.	Textile, Textile Products & Accessories	Mixture of viscose, cupro or modal and cotton fibers (method using sodium zinc ate)	ISO 1833-5:2006
57.	Textile, Textile Products & Accessories	Mixture of Wool, acrylic, chloro fibers, elastane and other fiber using DMF	ISO 1833-12:2019

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13 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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Valid from: 07 March 2025

Valid until: 06 March 2027

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
58.	Textile, Textile Products & Accessories	Quantitative chemical analysis ternary fiber mixtures	ISO 1833-2:2020
59.	Textile Fabric & garment, Textile Products & Accessories	pH Value	AATCC 81:2022
60.	Textile Fabric & garment, Textile Products & Accessories	pH Value	ISO 3071:2020
61.	Textile Fabric & garment, Textile Products & Accessories	Fiber analysis Quantitative by mechanical separation	ISO 1833-1(Annex B):2020
62.	Textile Fabric & garment, Textile Products & Accessories	Fiber Content	AATCC 20:2021
63.	Textile Fabric & garment, Textile Products & Accessories	Fiber Content	IS 667:1981, RE:2022
64.	Textile Fabric & garment, Textile Products & Accessories	Fiber Content Quantitative analysis	AATCC 20A:2022
65.	Textile Fabric & garment, Textile Products & Accessories	Mixture of acetate & certain other fiber (Method using acetone)	ISO 1833-3:2020
66.	Textile Fabric & garment, Textile Products & Accessories	Mixtures of certain cellulose fibres with certain other fibres (method using sulfuric acid)	ISO 1833-11:2017

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14 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

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Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
67.	Textile Fabric & garment, Textile Products & Accessories	Textile floor coverings - Determination of thickness loss after prolonged, heavy static loading	ISO 3416:1988 RE:2022
68.	Textile Fabric & garment, Textile Products & Accessories	Textiles — Quantitative chemical analysis — Part 1: General principles of testing	ISO 1833-1:2020
69.	Textile Fabric & garment, Textile Products & Accessories	Fiber analysis Quantitative by mechanical separation	AATCC 20A:2021
70.	Textile Fabric & garment, Textile Products & Accessories	Mixture of certain protein & certain other fiber (Method using Hypochlorite)	ISO 1833-4:2017
71.	Textile, Textile Products & Accessories	Mixture of polyamide and certain other fiber (method using formic acid)	ISO 1833-7:2017
72.	Textile, Textile Products & Accessories	Mixture of polyamide and certain other fiber (method using formic acid)	IS 2005:1988 RE:2022
73.	Textile, Textile Products & Accessories	Mixture of Polyolefin fibers & other fibers	IS 9896:1981 RE:2022
74.	Textile, Textile Products & Accessories	Mixture of Polypropylene fibers and certain other fibers (Method using xylene)	ISO 1833-16:2019

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[www.qai.org.in](http://www.qai.org.in)



15 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
75.	Textile, Textile Products & Accessories	Mixture of silk and wool of hair (method using sulphuric acid)	ISO 1833-18:2020
76.	Textile, Textile Products & Accessories	Mixture of silk and wool of hair (method using sulphuric acid)	IS 9889:2024
77.	Textile, Textile Products & Accessories	Mixture of viscose, cupro or modal and cotton fibers (method using sodium zinc ate)	IS 1889-2:1976 RE:2020
78.	Textile, Textile Products & Accessories	Mixture of viscose, cupro or modal and cotton fibers (method of using sodium zinc ate)	SASO ISO 1833-5:2006
79.	Textile, Textile Products & Accessories	Mixture of viscose, cupro or modal and cotton fibers (method using sodium zinc ate)	IS 1889-1: 1976 RE:2020
80.	Textile, Textile Products & Accessories	Mixture of viscose, cupro or modal and cotton fibers (method using sodium zinc ate)	IS 1889-3: 1976 RE:2020
81.	Bed sheet and pillow cover	Colour fastness to Rubbing	IS 17630:2021, Clause-6, (Table-1) I,
82.	Bed sheet and pillow cover	Colour fastness to Rubbing	IS /ISO 105-X12:2016
83.	Bed sheet and pillow cover	Dimensional stability to washing	IS 17630:2021, Clause-6, (Table-1)- v
84.	Bed sheet and pillow cover	Dimensional stability to washing	IS 15370: 2023
85.	Bed sheet and pillow cover	Dimensional stability to washing	ISO 6330 :2012
86.	Non-woven Fabric for Wipes	Absorption	IS 17788, Table (iii), clause-6.1: 2021
87.	Non-woven Fabric for Wipes	Absorption	IS 15891(P-6):2012

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16 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
88.	Bedsheets, Pillow cover & Blanket cover	Fabric Skew	IS 18739, Table-2, clause-3.1: 2024
89.	Bedsheets, Pillow cover & Blanket cover	Fabric Skew	ISO 13015: 2013
90.	Bedsheets, Pillow cover & Blanket cover	Fabric Bow	IS 18739, Table-2, clause-3.1: 2024
91.	Bedsheets, Pillow cover & Blanket cover	Fabric Bow	ISO 13015: 2013
92.	Bedsheets, Pillow cover & Blanket cover	Dimensional change percent (warp/weft)	IS 18739, Table-2, clause-3.1: 2024
93.	Bedsheets, Pillow cover & Blanket cover	Sourcing Loss Percent	IS 18739, Table-2, clause-3.1: 2024
94.	Bedsheets, Pillow cover & Blanket cover	Colour Fastness to Rubbing	IS 18739, Table-3, clause-3.1:2024
95.	Bedsheets, Pillow cover & Blanket cover	Colour Fastness to Rubbing	IS/ISO 105-X12: 2016
96.	Textile Fabric & garment, Textile Products & Accessories	Determination of Dimensional change of fabric induced by free (wire steam) steam	SATRA TM 211; 2002
97.	Textile Fabric & garment, Textile Products & Accessories	Skewness Change /Spirality/Torque	ISO 16322-1:2021
98.	Textile Fabric & garment, Textile Products & Accessories	Skewness Change /Spirality/Torque	ISO 16322-2:2021
99.	Textile Fabric & garment, Textile Products & Accessories	Skewness Change /Spirality/Torque	ISO 16322-3:2021

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17 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,

Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
100.	Textile Fabric & garment, Textile Products & Accessories	Skewness Change /Spirality/Torque	AATCC 179:2019
101.	Textile Fabric & garment, Textile Products & Accessories	Wicking Testing	AATCC 197:2022
102.	Textile Fabric & garment, Textile Products & Accessories	Water Absorbance of terry fabric	ASTM 4772:2019
103.	Bedsheets, Pillow cover & Blanket cover	Whiteness index	IS 17263-ANNEX-J
104.	Bedsheets, Pillow cover & Blanket cover	Whiteness index	IS 18739, clause-3.10
105.	Cotton Towelling & Towels (Fabric)	Souring loss	IS 7056, Table-3, clause-3.2.1: 2024
106.	Cotton Towelling & Towels (Fabric)	Souring loss	IS 1383: 2023
107.	Cotton Towelling & Towels (Fabric)	Dimensional change in Water Soaking	IS 2977: 1989
108.	Cotton Towelling & Towels (Fabric)	Dimensional change in Water Soaking	IS 7056, Table-3, clause-3.2.1: 2024
109.	Cotton Towelling & Towels (Fabric)	Wet ability	IS 7056, Table-3, clause-3.2.1: 2024
110.	Cotton Towelling & Towels (Fabric)	Wet ability	IS 2349: 2022
111.	Cotton Towelling & Towels (Fabric)	Whiteness index	IS 7056, clause-3.2.2: 2024
112.	Cotton Towelling & Towels (Fabric)	Whiteness index	IS 17263 Annex-J: 2022

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18 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
113.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to water	ISO 105 E01:2013
114.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to water	AATCC TM107:2022
115.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to water	SASO ISO 105 E01: 2013
116.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to water	GB/T5713:2013
117.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to water	SATRA TM 335: 2018
118.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to Rubbing Colour Fastness to Crocking	ISO 105 X12:2016
119.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to Rubbing Colour Fastness to Crocking	AATCC TM8:2022
120.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to Hot pressing	AATCC TM117:2019
121.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to Hot pressing	ISO105-X11:1994
122.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to PVC Migration	ISO 105 X10:1993
123.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness Water spotting	ISO 105 E07:2010
124.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness Water spotting	SASO ISO 105 E07: 2010
125.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness Water spotting	AATCC TM104:2014

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19 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
126.	Textile Fabric & garment, Textile Products & Accessories	Colour Fastness to Hot pressing	AATCC TM133:2020
127.	Textile Fabric & garment, Textile Products & Accessories	Absorbency	AATCC TM79:2018
128.	Textile Fabric & garment, Textile Products & Accessories	Water Repellence: Spray	AATCC TM22:2017
129.	Textile Fabric & garment, Textile Products & Accessories	Appearance of apparel and other textile product after domestic washing and drying/repeated home laundering	ISO 7768: 2009
130.	Textile Fabric & garment, Textile Products & Accessories	Appearance of apparel and other textile product after domestic washing and drying/repeated home laundering	ISO 7770: 2009
131.	Textile Fabric & garment, Textile Products & Accessories	Appearance of apparel and other textile product after domestic washing and drying/repeated home laundering/Dry-cleaning	AATCC TM142:2018



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,

Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
132.	Textile Fabric & garment, Textile Products & Accessories	Appearance of apparel and other textile product after domestic washing and drying/repeated home laundering/Dry-cleaning	AATCC TM143:2018
133.	Textile Fabric & garment, Textile Products & Accessories	Preparation, marking and measuring of fabric and garment tests for determination of dimensional change	ISO 3759:2021
134.	Textile Fabric & garment, Textile Products & Accessories	Determination of dimensional change in washing and drying	ISO 5077:2021
135.	Textile Fabric & garment, Textile Products & Accessories	Domestic washing and drying procedure for textile testing	ISO 6330:2021
136.	Textile Fabric & garment, Textile Products & Accessories	Dimensional change of fabrics after home laundering	AATCC TM135:2018
137.	Textile Fabric & garment, Textile Products & Accessories	Dimensional changes of garment after home laundering	AATCC TM 150:2018
138.	Bed sheet and pillow cover	Water soluble substance	IS 14944:2020
139.	Bed sheet and pillow cover	Water soluble substance	IS 17630:2021, Clause-7.1, (Table-2)-v
140.	Bed sheet and pillow cover	Particle release	IS 17630:2021, Clause-7.1, (Table-2)-vii
141.	Bed sheet and pillow cover	Particle release	IS 15891 (P-10):2017
142.	Bed sheet and pillow cover	Water vapour resistance (AMD1)	IS 17630:2021, Clause-7.1, (Table-2)-ix

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21 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
143.	Bed sheet and pillow cover	Water vapour resistance (AMD1)	17376:2020



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1.	Gloves	Abrasion resistance	Cl. 6.1 of BS EN 388:2016+A1:2018
2.	Gloves	Abrasion resistance	Cl. 5.1 of EN 12477: 2001
3.	Gloves	Blade cut resistance	Cl. 6.2 of BS EN 388:2016+A1:2018
4.	Gloves	Blade cut resistance	Cl. 5.2 of EN 12477: 2001
5.	Gloves	Dexterity	Cl. 5.2 of BS EN ISO 21420: 2020
6.	Gloves	Dexterity	Cl. 5.9 of EN 12477: 2001
7.	Gloves	Glove design and construction — General	Cl. 4.1 of BS EN ISO 21420: 2020
8.	Gloves	Measurement of glove length	Cl. 6.1 of BS EN ISO 21420: 2020,
9.	Gloves	Size & dimension	Cl. 4.4 of EN 407: 2020,
10.	Gloves	General- Gloves	Cl. 4.4.1 of BS EN ISO 407: 2020
11.	Gloves	Measurement of glove length	Cl. 3.2 of EN 12477: 2001
12.	Gloves	Tear Strength	Cl. 6.4 of BS EN 388:2016+A1:2018
13.	Gloves	Puncture Resistance	Cl. 6.5 of BS EN 388:2016+A1:2018
14.	Gloves	Puncture resistance	Cl. 5.4 of EN 12477: 2001
15.	Gloves	Tear Strength resistance	Cl. 4.3 of BS EN 407:2020/ Cl. 5.3 of EN 12477: 2001
16.	Gloves	Water vapour absorption (Leather materials)	Cl. 5.3.2 of BS EN ISO 21420: 2020
17.	Gloves	Water vapour transmission (Leather materials)	Cl. 5.3.1 of BS EN ISO 21420: 2020
18.	Thermal Risk- Gloves	Contact Heat	Cl. 4.5.3 of BS EN 407: 2020
19.	Thermal Risk- Gloves	Contact Heat	Cl. 6.3 of BS EN 407: 2020

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[www.qai.org.in](http://www.qai.org.in)



23 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
20.	Thermal Risk- Gloves	Contact Heat	EN ISO 12127: 2015
21.	Thermal Risk- Gloves	Limited Flame Spread	Cl. 6.2 of BS EN 407: 2020
22.	Thermal Risk- Gloves	Limited Flame Spread	ISO 15025: 2015
23.	Wallet/ Purse/ Handbag	IRFD TEST	In House Test Method
24.	Leather & Footwear	Lace to Lace Abrasion	Cl. 4.13, of IS 15844-1: 2023 (A1: 2024) Ref. of IS 8085-17/ ISO 22774: 2004
25.	Leather & Footwear	Abrasion resistance to lace	SATRA TM 154-2018
26.	Leather & Footwear	Abrasion resistance to lace	ISO 22774: 2004
27.	Leather & Footwear	Breaking Load of Lace & Length	Appendix A of Cl. 8.14, 14.14 of IS 1989-1 (A1: 1988 + A2: 1995 + A3: 1998 + A4: 2003); Ref. of IS 4778: 1982 1986
28.	Leather & Footwear	Breaking Load of Lace	Appendix A of Cl. 8.14, 14.14 of IS 1989-2 (A1: 1988 + A2: 1999): 1986, Ref. of IS 4778: 1982
29.	Leather & Footwear	Breaking Load	Cl. 7.2, Annex B of IS 5557 Part 2 (A1: 2020): 2018, Ref. 6.12 of IS 15298-1
30.	Leather & Footwear	Breaking Load and Tag Retention- Lace	Cl. 4.16.2 of IS 17037 (A1: 2021): 2018, Ref. of 1969-1 or 1969-2
31.	Leather & Footwear	Breaking force and extension at break of shoe laces	SATRA TM 94: 2018
32.	Leather & Footwear	Breaking Load of Thread	Cl. 4.1.5.1 of IS 3736 (A1: 1999 + A2: 2001 + A3: 2003): 1995, Ref. of IS 1670: 1991

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[www.qai.org.in](http://www.qai.org.in)



24 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
33.	Leather & Footwear	Breaking Load of Closing Thread	Cl. 4.13 of IS 17037 (A1: 2021): 2018, ref. of IS 4910-3
34.	Leather & Footwear	Adhesion Test on Moulded Bottoms	Cl. 5.7 of IS 11226 (A1: 1994 + A2: 1998):1993, Ref. of Annex E
35.	Leather & Footwear	Seam strength	ISO 17697:2016 Method B,
36.	Leather & Footwear	Seam strength	SASO ISO 17697:2016 Method B,
37.	Leather & Footwear	Seam strength	SATRA TM 180: 2016
38.	Leather & Footwear	Stitch tear strength	Cl. 8.2, 14.2 of IS 1989-1 (A1: 1988 + A2: 1995 + A3: 1998 + A4: 2003): 1986, Ref. of IS 3840-1979
39.	Leather & Footwear	Stitch tear strength	Cl. 8.2, 14.2 of IS 1989-2 (A1: 1988 + A2: 1999): 1986, IS 3840 (A1: 2021):2011, Ref. of IS 3840-1979
40.	Leather & Footwear	Double hole Stitch tear strength	IS 5914 LP:8 (A1: 1983): 1970
41.	Leather & Footwear	Double hole Stitch tear strength	Cl. 5.2.1, 5.2.2 of IS 11226 (A1: 1994 + A2: 1998):1993, Ref. of IS 5677: 1986
42.	Leather & Footwear	Stitch tear strength	Cl. 3.5 of IS 5677(A1: 1993 + A2: 2021):1986
43.	Leather & Footwear	Stitch tear Strength (Double Hole)	Cl. 4.6 (table1) IS 5867 (A1: 1993): 1970, Ref. Appendix B of IS 5914-1970
44.	Leather & Footwear	Stitch tear strength	SATRA TM 5 2000
45.	Leather & Footwear	Stitch tear strength	BS EN ISO 23910: 2019
46.	Leather & Footwear	Straps Attachment Strength	SATRA TM 120:2021

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[www.qai.org.in](http://www.qai.org.in)



25 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
47.	Leather & Footwear	Toe Post Attachment Strength	SATRA TM 118:2022,
48.	Leather & Footwear	Attachment strength of straps, trims and accessories	ISO 24263:2020
49.	Leather & Footwear	Attachment strength of decorative bows	SATRA TM 117:2023
50.	Leather & Footwear	Breaking force of buckles - three point bending test	SATRA TM 141: Jul 1994 (2018),
51.	Leather & Footwear	Strength of buckle and strap attachments	SATRA TM 181:2017,
52.	Leather & Footwear	Strength of slide fastener pullers	SATRA TM 52:2018,
53.	Leather & Footwear	Attachment strength of slide fastener end stops	SATRA TM 53:1992,
54.	Leather & Footwear	Slider locking strength of slide fasteners	SATRA TM 226: 1999
55.	Leather & Footwear	Water absorption	Cl. 8.3, 14.3 of IS 1989-2(A1: 1988 + A2: 1999): 1986, Ref. of IS 579-1: 1973
56.	Leather & Footwear	Water absorption	Cl. 8.3, 14.3 of IS 1989-1 (A1: 1988 + A2: 1995 + A3: 1998 + A4: 2003): 1986, Ref. of IS 579-1: 1973
57.	Leather & Footwear	Water absorption	LP:12 of IS 5914 (A1: 1983): 1970,
58.	Leather & Footwear	Water absorption	Cl. 5.5 of IS 579:2017 (Table 1)
59.	Leather & Footwear	Water absorption	Cl. 4.1.3, 8.3, Annex H of IS 6664:1992, (A1- 2023)

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26 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
60.	Leather & Footwear	Water absorption	Cl. 5.2.2 of IS 11226 (A1: 1994 + A2: 1998):1993, Ref. of IS 5867:1970(Ref. LP:11 of IS 5914:1970)
61.	Leather & Footwear	Water absorption	Cl. 4.6 (table 1) of IS 5867 (A1: 1993): 1970(Ref. LP:11 of IS 5914:1970)
62.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Materials- Thickness	Cl. no. 4.6.1, 4.7.1, 4.7.2, 4.11.1, 4.12.1, 4.8.1, 4.9.1, 4.14.1, 4.15 of IS 17037 (A1:2021) :2018;
63.	Leather & Footwear - Design	Height of upper	Cl. 4.4 of IS 17037 (A1: 2021): 2018 Ref. of IS 15298-1 (Table 2)
64.	Leather & Footwear - Design	Leg Height	Cl. 4.3 of 3736 (A1: 1999 + A2: 2001 + A3: 2003):1995
65.	Leather & Footwear - Design	Height of upper	Cl. 8.3 of IS 5557 Part 2 (A1: 2020): 2018, Ref. Fig. 3 in IS 15298 (Part 4) Ref. <b>6.2</b> of IS 15298 (Part 1)
66.	Leather & Footwear - Design	Weight	Cl. 4.3.2 of IS 17037 (A1:2021): 2018
67.	Leather & Footwear - Design	Mass	Cl. 11,17 of IS 1989-2 (A1:1988+A2:1999):1986
68.	Leather & Footwear - Design	Mass	Cl. 11,17 of IS 1989-1 (A1:1988+A2:1995+A3:1998+A4:2003): 1986,
69.	Leather & Footwear - Design	Mass	Cl. 4.6 of IS 3736 (A1:1999+A2:2001+A3: 2003): 1995,

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[www.qai.org.in](http://www.qai.org.in)



27 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
70.	Leather & Footwear - Design	Mass	Cl. 5.5 of IS 11226 (A1:1994+A2:1998):1993/
71.	Leather & Footwear - Toe puff and counter stiffener	Shape retention	Cl. 3.10, Annex M of IS 15844 (A1:2019): 2010
72.	Leather & Footwear - sole material	Hardness Durometer Shore A	ISO 868:2003
73.	Leather & Footwear - sole material	Hardness Durometer Shore A	SASO ISO 868:2003
74.	Leather & Footwear - sole material	Hardness Durometer Shore A	SATRA TM 205:(16)2017
75.	Leather & Footwear - sole material	Hardness Durometer Shore A & IRHD	Cl. 4.14.4 & 4.14.5 of IS 17037 (A1:2021): 2018
76.	Leather & Footwear - sole material	Hardness Durometer Shore A	Cl. 4.1.3, 8.3, Annex B, C of IS 6664:1992
77.	Leather & Footwear - sole material	Hardness Durometer Shore A	IS 12240 (Part 2):1988,
78.	Leather & Footwear - sole material	Hardness Durometer Shore A	Cl. 4.3.1 Sr. no-2 Table1 of IS 13893:1994, Ref. of IS 12240-2:1988
79.	Leather & Footwear - sole material	Hardness Durometer Shore A	Cl. 5.2.11 & 5.2.11.2 table 1, Table 2 of IS 11226 (A1: 1994 + A2: 1998):1993, ref. of IS 3400-2: 1980
80.	Leather & Footwear - soling material/Upper/Lining/ Collar/Tongue material	Hardness IRHD	Cl. 7.4.1 Sr. no-1 Table 3 of IS 5557 Part 2 (A1: 2020):2018, ref. of IS 3400- 2 & 4

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[www.qai.org.in](http://www.qai.org.in)



28 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
81.	Leather & Footwear - soling material/Upper/Lining/ Collar/Tongue material	Change in Hardness after accelerated ageing at 100±2 °C for 24 hrs. IRHD	Cl. 7.4.1 Sr. no-1 Table 3 of IS 5557 Part 2 (A1: 2020):2018, , ref. of IS 3400- 2 & 4
82.	Leather & Footwear - soling material/Upper/Lining/ Collar/Tongue material	Hardness IRHD	Cl. 3.2.1 Sr. no-ii table 1 of IS 11544:1986, Ref. of IS 3400-2:1980
83.	Leather & Footwear - soling material/Upper/Lining/ Collar/Tongue material	Change in Hardness after accelerated ageing at 100±2 °C for 24 hrs. IRHD	Cl. 3.2.1 Sr. no-iii table 1 of IS 11544:1986, Ref. of IS 3400-2 & 4:1980
84.	Leather & Footwear - sole material	Hardness IRHD	Cl. 3.6.1 of IS 6719:1972, Ref. A-6
85.	Leather & Footwear - sole material	Hardness IRHD	Cl. 5.7 of IS 5676:1995(Table-2), Ref. of IS 3400-2: 1980
86.	Leather & Footwear - sole material	Hardness IRHD	Cl. 4.1.7.3 Table 4 of IS 3736 (A1: 1999 + A2: 2001 + A3: 2003)::1995, Ref. of IS 3400-2: 1980
87.	Leather & Footwear - sole material	Hardness IRHD	IS 3400 Part 2: 2014
88.	Leather & Footwear - sole material	Abrasion resistance	SATRA TM 174:2016
89.	Leather & Footwear - sole material	Abrasion resistance	ISO 4649:2017
90.	Leather & Footwear - sole material	Abrasion resistance	BS EN 12770:2000

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[www.qai.org.in](http://www.qai.org.in)



29 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,

Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
91.	Leather & Footwear - sole material	Abrasion resistance	ASTM D5963: 2022
92.	Leather & Footwear - sole material	Abrasion resistance	Cl. 4.14.7 of IS 17037 (A1:2021) :2018, ref. of IS 15298-1(Cl. 8.3)
93.	Leather & Footwear - sole material	Abrasion resistance	Cl. 7.6.3 of IS 5557 Part 2 (A1: 2020): 2018, ref. of IS 15298-1(Cl. 8.3)
94.	Leather & Footwear - sole material	Abrasion resistance	Cl. 4.3.1 Table1 Annex B of IS 13893:1994
95.	Leather & Footwear - sole material	Abrasion resistance	DIN ISO 4649:2014
96.	Leather & Footwear - sole material	Abrasion resistance	ISO 20871:2018
97.	Leather & Footwear - sole material	Abrasion resistance	SASO ISO 20871: 2007
98.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Ageing test / Heat resistance	Cl. 4.1.7.3 Table 4, of IS 3736 (A1: 1999 + A2: 2001 + A3: 2003):1995,
99.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Ageing test / Heat resistance	Cl. 4.1.3, 8.3, Annex C, of IS 6664:1992, Sr. III of Table 1
100.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Ageing test / Heat resistance	SASO ISO 20870: 2018

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30 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
101.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Ageing test / Heat resistance	ISO 20870: 2017
102.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Ageing test / Heat resistance	EN 12749:1999,
103.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Ageing test / Heat resistance	SATRA TM 361:2010,
104.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Ageing test / Heat resistance	Cl. 3.2.1 table 1 of IS 11544:1986, Ref. of IS 3400-4:1987
105.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Ageing test / Heat resistance	Cl. 5.1.4 of IS 13995:1995, Ref. of IS 3400-4:1987
106.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Ageing test / Heat resistance	Cl. 7.4.1 Table 3 of IS 5557 Part 2 (A1: 2020): 2018, Ref. of IS 3400-4:1987
107.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Heat resistance	Cl. 3.5 of IS 5677 (A1: 1993 + A2: 2021):1986 (Appendix A)
108.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Ageing test / Heat resistance	Cl. 5.2.11, table 1, Table 2 of IS 11226 (A1: 1994 + A2: 1998): 1993 ref. of IS 3400-4:1987

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31 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
109.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Breaking strength	BS EN ISO 13934-1:2013
110.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Breaking strength	Cl.7.2 (Annex B) of IS 5557 P 2(A1: 2021): 2018,
111.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Breaking strength	Cl. 4.1.1,4.1.2,4.1.3,4.1.4 of IS 3736 (A1:1999 + A2: 2001 + A3: 2003):1995 Ref. of IS 1969:1985 & IS 1963: 1981
112.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Breaking strength	ASTM D2208:2016,
113.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Breaking strength	SATRA TM 29:17(2019),
114.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Breaking strength	ISO 17706:2003
115.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Breaking strength	SASO ISO 17706:2003
116.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Compression set	IS 3400 (Part10/S1& S2): 2020,

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32 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
117.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Compression set	Cl. 4.1.7.3 Table 4 of IS 3736 (A1: 1999 + A2: 2001 + A3: 2003):1995, Ref. of IS 3400-10 Sec-10
118.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Compression set	Cl. 5.7 of IS 5676:1995, Ref. of IS 3400-10 Sec-10
119.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Compression set	Cl. 4.1.3, 8.3, Annex D of IS 6664:1992, ISO 815-1: 2019,
120.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Density	Cl. 4.6 (table 1) of IS 5867 (A1: 1993): 1970, Ref. of IS 5914
121.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Density	Cl. 5.2.11 table 1, Table 2 of IS 11226 (A1: 1994 + A2: 1998):1993, Ref. of IS 3400-9: 1978
122.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Density	IS 12240 Part 3:1988,
123.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Density	Cl. 3.2.1 table 1 of IS 11544:1986, Ref. of IS 3400-9: 1978
124.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Density	Cl. 3.6 Appendix A-1 of IS 6719:1972, A-1

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33 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



## Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
125.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Density	Cl. 4.1.3, 8.3, Annex A of IS 6664: 1992, Annex A
126.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Density	ISO 2781:2018
127.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Density	SASO ISO 2781:2008
128.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Density	SATRA TM 134:2024
129.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Density	Cl. 4.14.3 of IS 17037 (A1: 2021): 2018, Ref. of Annex A of IS 6664, Method A of IS 3400-9
130.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Density	IS 3400 Part 9: 2020
131.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Density	Cl. 4.1.7.3 Table 4 of IS 3736 (A1:1999 + A2: 2001+A3:2003):1995, Ref. of IS 3400-9:1978
132.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Density	TM 134:98 (2024)

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[www.qai.org.in](http://www.qai.org.in)



34 of 248



# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
133.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Density	Cl. 5.7 of IS 5676: 1995, ref. of IS 3400-9:1978
134.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexing resistance	Cl. 4.14.8 of IS 17037 (A1: 2021): 2018, Ref. 8.4) of IS 15298-1(Cl.
135.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexing resistance	ISO 17707:2005
136.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexing resistance	SASO ISO 17707:2007
137.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexing resistance	SATRA TM 161:2004
138.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexing resistance	SATRA TM 25:2020
139.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexing resistance	SASO ISO 17694:2016
140.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexing resistance	ISO 17694:2016

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[www.qai.org.in](http://www.qai.org.in)



35 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
141.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexing resistance	SATRA TM 55:1999
142.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexing resistance	SASO ISO 5402-1:2011
143.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexing resistance	ISO 5402-1:2022
144.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	General	Cl. 5.1 of IS 5676: 1995
145.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Height -General	IS 16645: 2018
146.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Resistance to cut Growth	ISO 5423:1992 Annex C
147.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Ross flex test - resistance to cut growth on flexing	SATRA TM 60: 2020
148.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Measurement of Cut Growth of Rubber by the Use of the Ross Flexing Machine	IS 3400 Part 16:1974

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[www.qai.org.in](http://www.qai.org.in)



36 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
149.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexing Resistance	Cl. 4.1.7.3 Table 4 of 3736 (A1: 1999 + A2: 2001 + A3: 2003): 1995, Ref. of IS 3400 Part 16:1974
150.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexing Resistance	Cl. 5.7 of IS 5676:1995, Ref. of IS 3400 Part 16:1974
151.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexing Resistance	Cl. 4.1.3, 8.3 of IS 6664:1992, Ref. of IS 3400 Part 16:1974
152.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexural endurance	Cl. 3.2.1.1 of IS 11544:1986, Appendix B
153.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexing test resistance to cut growth for soling material	IS 12240 Part 7: 1988
154.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexural Strength	Cl. 4.3.1 Table1 of IS 13893:1994, Ref. of IS 12240 Part 7: 1988
155.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexing Resistance of outsole	Cl. 5.6, 5.8.2 (Annex C) of IS 16645:2018
156.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Interlayer bond strength	Cl. 4.5.3.2 of IS 17037 (A1: 2021):2018, Ref. of IS 15298-1(Cl 5.2)

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[www.qai.org.in](http://www.qai.org.in)



37 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
157.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Interlayer bond strength	Cl. 7.6.5 of IS 5557 Part 2 (A1: 2020): 2018 Ref. of IS 15298-1(Cl 5.2)
158.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Lastometer test	ISO 3379:2016
159.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Lastometer test	IS 14970: 2001
160.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Martindale Abrasion resistance	Cl. 4.7.4, 4.9.2 of IS 17037 (A1: 2021):2018, Ref. of IS 15298-1 (6.12)
161.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Martindale Abrasion resistance	BS EN 13520:2002
162.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Martindale Abrasion resistance	ISO 17704:2004
163.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Martindale Abrasion resistance	SATRA TM 31: Nov. 2021
164.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Martindale Abrasion resistance	Cl. 7.1.2, 7.7.2 of IS 5557 Part 2(A1: 2020):2018, Ref. of IS 15298-1 (Cl 6.12)

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[www.qai.org.in](http://www.qai.org.in)



38 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
165.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Resistance to hot contact	CI 4.14.9 of IS 17037 (A1: 2021):2018, Ref. of IS 15298-1 (CI 8.7)
166.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Resistance to hot contact	BS 5131-2.11:1983
167.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Resistance to hot contact	SATRA TM 49:1995
168.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Resistance to hot contact	CI. 8.1 of IS 5557 Part 2 (A1: 2020): 2018, Ref. of IS 15298-1(CI8.7)
169.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	ISO 3377-1:2011
170.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	SASO ISO 3377-1:2011
171.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	ISO 3377-2:2016
172.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	SASO ISO 3377-2:2002

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39 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
173.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	ASTM D2212:2015
174.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	SATRA TM 30:2017
175.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	SASO ISO 3377-2:2002,
176.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	ASTM D2212-00 (2021)
177.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	ISO 4674-1:2016 method B
178.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	Cl. 7.1.1 of IS 5557 Part 2 (A1: 2020): 2018, ref. of IS 15298-1 (Cl 6.3)
179.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	Cl. 5.2.1 of IS 11226 (A1: 1994 + A2: 1998):1993, Ref. of IS 5677:1986
180.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Stitch Tear strength	Cl. 3.5 of IS 5677 (A1: 1993 + A2: 2021):1986, LP:8 of 5914-1970

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40 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
181.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	IS 5914: 1970 (LP:7),
182.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	BS EN ISO 17696:2018,
183.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	SASO ISO 17696:2004,
184.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	ISO 17696:2004,
185.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	SATRA TM 162:2017,
186.	Outsole	Tear strength	SASO ISO 20872:2018
187.	Outsole	Tear strength	ISO 20872:2018
188.	Outsole	Tear strength	Cl. 4.14.6 of IS 17037 (A1:2021): 2018
189.	Outsole	Tear strength	Cl. 4.14.6 of IS 17037 (A1: 2021): 2018,
190.	Outsole	Tear strength	ISO 34-1:2022
191.	Outsole	Tear strength	ASTM D624-00 (2021),
192.	Outsole	Tear strength of Rubber & Plastic	SATRA TM 218:1999,

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[www.qai.org.in](http://www.qai.org.in)



41 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
193.	Outsole	Tear strength	Cl. 3.6 Appendix A-3 of IS 6719:1972, A-3
194.	Outsole	Tear strength	Cl. 5.4 Table 3 of IS 10702(A1: 1991 +A2: 2004):1992,
195.	Outsole	Tear strength	IS 3400 (P-12): 2022,
196.	Outsole	Tear strength	IS 3400 (P-17): 1974,
197.	Outsole	Tear strength	Cl. 5.1.3 of IS 13995:1995, Ref. of IS 3400-12
198.	Outsole	Tear strength	Cl. 7.6.2 of IS 5557 Part 2 (A1: 2020): 2018, ref. of IS 15298-1(Cl8.2)
199.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	ISO 3377-1:2011
200.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	SASO ISO 3377-1:2011
201.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	ISO 3377-2:2016
202.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tear strength	SASO ISO 3377-2:2002

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[www.qai.org.in](http://www.qai.org.in)



42 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
203.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile properties	ISO 3376:2020
204.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile properties	SASO ISO 3376:2011
205.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile properties	Cl. 8.1, 14.1, 8.2, 14.2 of IS 1989-1 (A1: 1988 + A2: 1995 + A4: 2003):1986, Ref. of IS 578-1985
206.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile properties	IS 1989-2 (A1: 1988 + A2: 1999): 1986, Ref of IS 578-1985
207.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile strength & elongation of outsole	SASO ISO 22654: 2002
208.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile strength & elongation of outsole	Cl. 5.4 Table 3 of IS 10702 (A1: 1999 + A2: 2004): 1992
209.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile strength & elongation of outsole	Cl. 4.1 Appendix A-3 of IS 6721:1972
210.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile strength & elongation of outsole	Cl. 3.6 Appendix A-2 of IS 6719:1972

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[www.qai.org.in](http://www.qai.org.in)



43 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
211.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile strength & elongation of outsole	Cl. 5.7 of IS 5676:1995, ref. of 3400-1:1987
212.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile strength & elongation of outsole	Cl. 4.1.7.3 Table 4 of IS 3736 (A1: 1999 + A2: 2001 + A3: 2003): 1995 ref. of 3400-1:1987
213.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile strength & elongation of outsole	SATRA TM 137:1995
214.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile strength & elongation of outsole	ISO 22654:2002
215.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile strength & elongation of outsole	ASTM D 412-16 (2021) Method A
216.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile strength & elongation of outsole	IS 3400 Part1: 2021
217.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile strength & elongation of outsole	ISO 37: 2017
218.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile strength & elongation of outsole	Cl. 5.2.11, Table 1, Table 2 of IS 11226 (A1: 1994 + A2: 1998) :1993, ref. of 3400-1:1987

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44 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,

Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
219.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile strength & elongation of outsole	Cl. 5.3, 5.8.1 of IS 16645:2018, Ref. of Annex E
220.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile strength & elongation of outsole	Cl. 5.1.1, 5.1.2 of IS 13995:1995, Ref. of IS 3400-1
221.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile strength & elongation of outsole	Cl. 4.3.1 Table1 of IS 13893:1994, ref. of IS 12240-6: 1988
222.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile strength & elongation of outsole	IS 12240 Part 6: 1988
223.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness	Cl. 4.9 of IS 17037 (A1:2021):2018,
224.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness	ISO 2589:2016
225.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness	SASO ISO 2589:2002
226.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness	SATRA TM 1:2021

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45 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
227.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness	ASTM D1813:2013 (2017)
228.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness	Cl. 4.11.1 of IS 17037 (A1: 2021): 2018
229.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness	Cl. 8.17, 14.17 of IS 1989-2 (A1: 1988 + A2: 1999): 1986, Table 1
230.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness	Cl. 8.17, 14.17 of IS 1989-1 (A1: 1988 + A2: 1995 + A3: 1998 + A4: 2003): 1986, Table 1
231.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness	Cl. 7.5.2 of IS 5557 Part 2 (A1: 2020): 2018, Ref. of IS 15298-1 (6.1)
232.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness	Cl. 5.2.1 of IS 11226 (A1: 1994 + A2: 1998):1993, Ref. of IS 5677: 1986
233.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness	IS 5914 (LP:1): 1970
234.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness/Cleated area/Cleat height of outsole	IS 11226 (A1: 1994 + A2: 1998):1993,

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46 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
235.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness/Cleated area/Cleat height of outsole	Cl. 7.6.1 of IS 5557 Part 2 (A1: 2020):2018
236.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness/Cleated area/Cleat height of outsole	Cl. 5.1.3 Table 1, 5.1.7.7 of IS 5557:2004
237.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness/Cleated area/Cleat height of outsole	Cl. 4.2 of IS 16645: 2018, Annex A
238.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness/Cleated area/Cleat height of outsole	Cl. 4.1 of IS 13995:1995, Table 1
239.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness/Cleated area/Cleat height of outsole	Cl. 4.2 of IS 13893:1994, Ref. of IS 12240-1: 1988
240.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness/Cleated area/Cleat height of outsole	IS 12240 (Part I): 1988
241.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness/Cleated area/Cleat height of outsole	Cl. 4.4 of IS 6721:1972
242.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness/Cleated area/Cleat height of outsole	Cl. 3.5 of IS 6719:1972

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47 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
243.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness/Cleated area/Cleat height of outsole	Cl. 5.5 of IS 5676: 1995, Table 1
244.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Volatility	Cl. 3.6 Appendix A-4 of IS 6719:1972
245.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Volatility	Cl. 4.1 Appendix A-5 of IS 6721:1972
246.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Volatility	IS 12240 Part 4:1988
247.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Water absorption/ desorption	Cl. 4.8.3, 4.9.3 of IS 17037(A1:2021): 2018, Ref. of IS 15298-1 Cl 7.2
248.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Water absorption/ desorption	SASO ISO 5404:2011
249.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Water absorption/ desorption	BS EN ISO 5404:2011
250.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Water penetration and water absorption	Cl. 4.6.4 of IS 17037(A1: 2021):2018 Ref. of IS 15298-1 Cl 6.13

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48 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

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Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
251.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Water penetration and water absorption	BS EN ISO 5403-1: 2011
252.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Water vapour permeability, absorption and coefficient	ISO 14268:2012
253.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Water vapour permeability, absorption and coefficient	SASO ISO 17699: 2003
254.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Water vapour permeability, absorption and coefficient	ISO 17699:2003
255.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Water vapour permeability, absorption and coefficient	SATRA TM 172:1993
256.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Water vapour permeability, absorption and coefficient	SATRA TM 178:2001
257.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Water vapour permeability, absorption and coefficient	CI 4.6.3 of IS 17037(A1: 2021): 2018, Ref. of IS 15298-1, CI 6.6 & 6.8
258.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Width	CI. 7.2 of IS 5557 Part 2 (A1: 2020): 2018, Ref. of IS 1954

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[www.qai.org.in](http://www.qai.org.in)



49 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
259.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Width	Cl. 4.1.3 of IS 3736 (A1: 1999 + A2: 2001 + A3: 2003):1995, Ref. of IS 1954:1954
260.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Ageing test / Heat resistance	Cl. 4.14.5 of IS 17037 (A1: 2021) :2018, Ref. of IS 3400-4
261.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Ageing test / Heat resistance	IS 3400 Part 4: 2012
262.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Hardness IRHD	Cl. 4.14.4 of IS 17037 (A1: 2021) :2018, Ref. of IS 13360-5/Sec11
263.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Hardness IRHD	ISO 48-2:2018
264.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Hardness IRHD	SATRA TM 206: 1999
265.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Room temperature Shrinkage and Heat shrinkage	Cl. 4.1.3, 8.3, Annex F & G of IS 6664:1992
266.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Room temperature Shrinkage and Heat shrinkage	Cl. 5.4 Annex F & G of IS 10702 (A1: 1999 + A2: 2004) :1992

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[www.qai.org.in](http://www.qai.org.in)



50 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
267.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Room temperature Shrinkage and Heat shrinkage	Cl. 5.2.2 of IS 11226 (A1:1994 + A2: 1998) :1993
268.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Room temperature Shrinkage and Heat shrinkage	Cl. 4.6 (table 1) of IS 5867 (A1: 1993): 1970
269.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Room temperature Shrinkage and Heat shrinkage	SATRA TM 70-2001
270.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Room temperature Shrinkage and Heat shrinkage	ISO 20873: 2018
271.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Split tear strength	Cl. 4.1.3, 8.3, Annex E of IS 6664:1992
272.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Split tear strength	Cl. 5.7 of IS 16645:2018
273.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Split tear strength	Cl. 5.4 Annex E of IS 10702 (A1: 1999 + A2: 2004):1992
274.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Split tear strength	SATRA TM65-2021

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[www.qai.org.in](http://www.qai.org.in)



51 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
275.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Split tear strength	ISO 20875: 2018
276.	Leather & Footwear-Toe puff and counter stiffener	Material and thickness	Cl. 4.10 of IS 17037 (A1: 2021):2018
277.	Upper/Lining/ Collar/Tongue material	Flexing endurance	IS 5914 (LP:19): 1970
278.	Upper/Lining/ Collar/Tongue material	Flexing endurance	Cl.4.6 Appendix C of IS 5867 (A1: 1993):1970
279.	Upper/Lining/ Collar/Tongue material	Flexing endurance	Cl.3.5 of IS 5677 (A1:1993+A2:2021):1986
280.	Upper/Lining/ Collar/Tongue material	Flexing endurance	Cl.5.2.1, 5.2.2 of IS 11226 (A1: 1994+A2: 1998):1993
281.	Upper/Lining/ Collar/Tongue material	Flexing endurance	Cl. 7.5.3 of IS 5557 Part 2 (A1: 2020): 2018
282.	Upper/Lining/ Collar/Tongue material	Flexing endurance	Cl. 5.2, 5.8.3 (Annex B) of IS 16645:2018
283.	Upper/Lining/ Collar/Tongue material	Flexing endurance	Cl. 5.1.5 of IS 13995:1995
284.	Upper/Lining/ Collar/Tongue material	Flexing endurance	IS 12240 Part 8: 1988
285.	Upper/Lining/ Collar/Tongue material	Flexing endurance	Cl. 5.10 of IS 12245: 1993

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[www.qai.org.in](http://www.qai.org.in)



52 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



## Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
286.	Whole footwear	Dimensional conformity/Construction of inserts	Cl. 4.5.5.1, 4.5.5 of IS 17037 (A1: 2021) :2018
287.	Whole footwear	Electrically insulating Test	Cl. 8.7.3 of IS 5557 Part 2 (A1: 2020) :2018
288.	Whole footwear	Electrically insulating Test	BS EN 50321-1: 2018
289.	Whole footwear	Energy absorption of seat region	Cl. 4.5.10 of IS 17037(A1: 2021):2018
290.	Whole footwear	Flex resistance of penetration-resistant inserts	Cl. 4.3 of BS EN ISO 22568-3:2019
291.	Whole footwear	Flex resistance of penetration-resistant inserts	Cl. 4.3 of BS EN ISO 22568-4:2021
292.	Whole footwear	Flex resistance of penetration-resistant inserts	Cl. 4.5.5.2 of IS 17037 (A1: 2021): 2018
293.	Whole footwear	Cold Flex Temperature of upper	Cl. 5.5 of IS 16645: 2018
294.	Whole footwear	Compression resistance of toecaps	Cl. 4.5.6.4 of IS 17037 (A1: 2021) :2018
295.	Whole footwear	Compression resistance of toecaps	Cl. 4.5 of BS EN ISO 22568-1:2019
296.	Whole footwear	Compression resistance of toecaps	Cl. 5.4 of BS EN ISO 22568-2: 2019
297.	Whole footwear	Construction	IS 17037 (A1: 2021): 2018
298.	Whole Footwear	Construction	Cl. 4.4 of IS 3736 (A1: 1999+A2: 2001+A3: 2003) :1995

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53 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
299.	Whole Footwear	Construction	Cl. 8 of IS 5557 Part 2 (A1:2020) :2018
300.	Whole footwear	Corrosion resistance of toecaps/inserts/ metal parts	Cl. 4.4 of BS EN ISO 22568-3:2019
301.	Whole footwear	Corrosion resistance of toecaps/inserts/ metal parts	Cl. 4.6 of BS EN ISO 22568-1:2019
302.	Whole footwear	Corrosion resistance of toecaps/inserts/ metal parts	SASO ISO 22775:2004 Method 2
303.	Whole footwear	Corrosion resistance of toecaps/inserts/ metal parts	SATRA TM 310:2020 Method 2
304.	Whole footwear	Corrosion resistance of toecaps/inserts/ metal parts	ISO 22775:2004 Method 2
305.	Whole footwear	Determination of penetration/perforation force of inserts	IS 17037 (A1: 2021): 2018
306.	Whole footwear	Determination of penetration/perforation force of inserts	Cl. 4.5.5.3, 4.5.5.4, BS EN ISO 22568-4:2019
307.	Whole footwear	Determination of penetration/perforation force of inserts	Cl. 4.2, 4.4, BS EN ISO 22568-3:2019
308.	Whole footwear	Determination of penetration/perforation force of inserts	BS EN ISO 22568-3:2021
309.	Whole footwear	Electrical resistance: Antistatic footwear/conductive footwear	Cl. 8.7.1, 8.7.2 of IS 5557 Part 2 (A1: 2020) :2018
310.	Whole footwear	Electrical resistance: Antistatic footwear/conductive footwear	Cl. 4.5.7.1 of IS 17037 (A1: 2021):2018

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[www.qai.org.in](http://www.qai.org.in)



54 of 248



# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,

Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
311.	Whole footwear	General/ Finishing/Width of flange	Cl. 4.5.6.1 of IS 17037 (A1: 2021): 2018
312.	Whole footwear	General/ Finishing/Width of flange	Cl. 4.1, 4.2, 4.3.2 of BS EN ISO 22568-1:2019
313.	Whole footwear	General/ Finishing/Width of flange	Cl 4.3.2 of BS EN ISO 22568-2:2019
314.	Whole footwear	General/ Finishing/Width of flange	Cl. 4.1 of BS EN ISO 22568-3:2019
315.	Whole footwear	General/ Finishing/Width of flange	BS EN ISO 22568-4: 2021
316.	Whole footwear	Heat insulation of sole complex	Cl. 4.5.8 of IS 17037 (A1:2021): 2018
317.	Whole footwear	Impact resistance of toecaps	Cl. 12,18 of IS 1989-1 (A1: 1988 + A2: 1995 + A3: 2003): 1986
318.	Whole footwear	Impact resistance of toecaps	IS 1989-2 (A1: 1988 + A2: 1999): 1986, IS 5852:2004
319.	Whole footwear	Impact resistance of toecaps	Cl. 5.1.7.6 of IS 5557:2004,
320.	Whole footwear	Impact resistance of toecaps	Cl. 5.6 of IS 11226 (A1: 1994 + A2: 1998):1993/
321.	Whole footwear	Impact resistance of toecaps	Cl. 4.4 of BS EN ISO 22568-1:2019
322.	Whole footwear	Impact resistance of toecaps	Cl. 4.4, 4.6 of BS EN ISO 22568-2: 2019
323.	Whole footwear	Impact resistance of toecaps	Cl. 4.5.6.3 of IS 17037 (A1: 2021): 2018
324.	Whole footwear	Internal length/ Dimensions of toecaps	Cl. 4.5.6.2 of IS 17037 (A1: 2021): 2018

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[www.qai.org.in](http://www.qai.org.in)



55 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
325.	Whole footwear	Internal length/ Dimensions of toecaps	Cl. 4.3.1 of BS EN ISO 22568-1:2019
326.	Whole footwear	Internal length/ Dimensions of toecaps	Cl 4.3.1 of BS EN ISO 22568-2: 2019
327.	Whole Footwear	Leak proofness	Cl.8.2 of IS 5557 P-2 (A1:2020): 2018
328.	Whole footwear	Slip resistance	ASTM F 2913-19
329.	Whole footwear	Slip resistance	ISO 13287:2019
330.	Whole footwear	Slip resistance	SASO ISO 13287:2012
331.	Whole footwear	Slip resistance	SATRA TM 144:2011
332.	Whole footwear	Slip resistance	IS 17037(A1:2021):2018
333.	Whole footwear	Specific ergonomic features	IS 17037(A1: 2021): 2018
334.	Whole footwear	Upper/outsole bond strength / Adhesion/Consolidation Test	Cl. 4.7, 4.8 of IS 3736 (A1: 1999 + A2: 2001 + A3: 2003): 1995
335.	Whole footwear	Upper/outsole bond strength / Adhesion/Consolidation Test	Cl. 8.4 of IS 5557 Part 2 (A1: 2020): 2018
336.	Whole footwear	Upper/outsole bond strength / Adhesion/Consolidation Test	SASO ISO 17708:2003
337.	Whole footwear	Upper/outsole bond strength / Adhesion/Consolidation Test	SATRA TM 281:2002
338.	Whole footwear	Upper/outsole bond strength / Adhesion/Consolidation Test	ISO 17708:2018
339.	Whole footwear	Upper/outsole bond strength / Adhesion/Consolidation Test	BS 5131-5.4:1978

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[www.qai.org.in](http://www.qai.org.in)



56 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
340.	Whole footwear	Upper/outsole bond strength / Adhesion/Consolidation Test	SATRA TM 411: 2019
341.	Whole footwear	Upper/outsole bond strength / Adhesion/Consolidation Test	IS 17037 (A1: 2021):2018
342.	Whole footwear	Water resistance for whole footwear	Cl. 4.5.11 of IS 17037 (A1: 2021): 2018,
343.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexing Resistance	Cl. no. of 5.2.11, table 1, Table 2 of IS 11226 (A1: 1994 +A2: 1998 ):1993
344.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Flexing Endurance	Cl. no. 4.6 (table 1) of IS 5867(A1:1993) :1970
345.	Leather & footwear - Upper/Lining/ Collar/Tongue Material	Thickness/Cleated area/Cleat height of outsole	Cl. 4.1.7.5 Table 6 of IS 3736 (A1: 1999 + A2: 2001 + A3: 2003): 1995
346.	Leather & footwear - Upper/Lining/ Collar/Tongue Material	Thickness/Cleated area/Cleat height of outsole	IS 17037 (A1: 2021): 2018
347.	Leather & footwear - Upper/Lining/ Collar/Tongue Material	Thickness/Cleated area/Cleat height of outsole	Cl. 4.14.2 of IS 17037 (A1:2021): 2018
348.	Leather & footwear	Flexing Resistance of Outsole	Cl. 5.8 (Annex E) of IS 16645:2018
349.	Leather & footwear	Hydrolysis	Annex E of ISO 5423:1992
350.	Leather & footwear	Hydrolysis	SATRA TM 344:1995

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57 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
351.	Leather & Footwear	Resistance to cracking	Cl. 8.3, 14.3 of IS 1989-1 (A1: 1988 + A2: 1995 + A3: 2003): 1986
352.	Leather & Footwear	Resistance to cracking	IS 1989-2 (A1: 1988 + A2: 1999): 1986
353.	Leather & Footwear	Resistance to cracking	IS 579:2017
354.	Leather & Footwear	Resistance to cracking	IS 5914 (A1: 1983): 1970 LP:13
355.	Leather & Footwear	Resistance to cracking	Cl. 4.6 (table1) of IS 5867 (A1: 1993): 1970
356.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Abrasion resistance of insole	Cl.4.8.2 of IS 17037(A1: 2019):2018
357.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Abrasion resistance of insole material	ISO 20868: 2001
358.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile properties	Cl. 7.5.1 of IS 5557 Part 2 (A1:2020) :2018
359.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile properties	Cl. 5.2.1, 5.2.2 of IS 11226 (A1: 1994 +A2: 1998) :1993
360.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile properties	Cl. 3.5 of IS 5677 (A1: 1993+ A2: 2021) :1986

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[www.qai.org.in](http://www.qai.org.in)



58 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,

Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
361.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Tensile properties	Cl. 4.6 (table 1) of IS 5867(A1:1993):1970
362.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness	Cl. 3.5 of IS 5677 (A1: 1993 + A2: 2021): 1986
363.	Leather & Footwear - Upper/Lining/ Collar/Tongue material	Thickness	Cl. 7.7.1 of IS 5557 Part 2 (A1: 2020): 2018
364.	Rubber/Plastic and plastic products	Hardness Shore A	ASTM D 2240-15 (2021)
365.	Rubber/Plastic and plastic products	Hardness Shore A	DIN ISO 48-4: 2021-02
366.	Rubber/Plastic and plastic products	Tensile strength and Elongation	ASTM D 638: 2014
367.	Rubber/Plastic and plastic products	Tensile strength and Elongation	ISO 527 (Part 1& 2): 2012
368.	Whole footwear	Cold insulation of sole complex	Cl.4.5.9 of IS 17037(A1: 2021):2018
369.	Whole footwear	Cold insulation of sole complex	Cl.8.7.4 of IS 5557 P-2 (A1: 2020): 2018
370.	Footwear-Hawai Chappal	Length	IS 1638 (Annex A, Cl. 4.2 of IS:10702:2023)
371.	Footwear-Hawai Chappal	Thickness	Cl. 4.3 of IS:10702:2023
372.	Footwear-Hawai Chappal	Density	Annex C, Cl. 4.4 of IS:10702:2023
373.	Footwear-Hawai Chappal	Compression SET	Annex D, Cl. 4.4 IS:10702:2023

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59 of 248



# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
374.	Footwear-Hawai Chappal	Split Tear Strength	Annex E, Cl. 4.4 of IS:10702:2023
375.	Footwear-Hawai Chappal	Shrinkage @ 50 °C ± 1 °C for 24 h for polymeric material	Annex F, Cl. 4.4 of IS:10702:2023
376.	Footwear-Hawai Chappal	Shrinkage @ 100 °C ± 1 °C for 1 h for rubber	Annex F, Cl. 4.4 of IS:10702:2023
377.	Footwear-Hawai Chappal: sole material	Abrasion Resistance	IS 15298 (Part 1) (Cl. 4.4 of IS:10702:2023)
378.	Footwear-Hawai Chappal	Flexing Resistance	IS 3400: Part 16 (Cl. 4.4 of IS:10702:2023)
379.	Footwear-Hawai Chappal	Hydrolysis/ Flexing Resistance	IS 16645/ISO 5423 (Cl. 4.4 of IS:10702:2023)
380.	Footwear-Hawai Chappal-Strap Material	Density of Solid Strap	Annex 'C', Cl. 4.4 of IS:10702:2023
381.	Footwear-Hawai Chappal-Strap Material	Density of Cellular Strap	Annex 'C', Cl. 4.4 of IS:10702:2023
382.	Footwear-Hawai Chappal-Strap Material	Breaking Strength	Annex 'G', Cl. 4.4 of IS:10702:2023
383.	Footwear-Hawai Chappal-Strap Material	Extension @ Break	Annex 'G', Cl. 4.4 of IS:10702:2023
384.	Footwear-Hawai Chappal-Strap Material	Cross Section	Cl. 4.4 of IS: 10702: 2023
385.	Footwear-Hawai Chappal-Strap Material	Stud Bolt	Cl. 4.4 of IS: 10702: 2023
386.	Footwear-Hawai Chappal	Toe post attachment strength	Annex 'H', Cl. 4.4 of IS:10702:2023

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[www.qai.org.in](http://www.qai.org.in)



60 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,

Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
387.	Footwear-Hawai Chappal	Attachment strength of rear strap	Annex 'H', Cl. 4.4 of IS:10702:2023
388.	Footwear-Hawai Chappal	Inter layer bond strength	IS 15298 : Part 1 (Cl. 4.4 of IS:10702 :2023)
389.	Footwear-Sandal and Slippers	Tear strength (other than moulded upper Material)	Method B of IS 7016 (Part 3/Sec 1): 2017/
390.	Footwear-Sandal and Slippers	Tear strength (other than moulded upper Material)	ISO 4647-1 : 2016 or IS 8085 (Part 9)/
391.	Footwear-Sandal and Slippers	Tear strength (other than moulded upper Material)	ISO 17696 : 2004 (Cl. 8.1 of IS:6721 :2023)
392.	Footwear-Sandal and Slippers	Tear strength (For all moulded upper Material)	IS 5914 (Part 5/Sec 2)
393.	Footwear-Sandal and Slippers	Tear strength (For all moulded upper Material)	ISO 3377-2 (Cl. 8.1 of IS:6721 :2023)
394.	Footwear-Sandal and Slippers	Flexing endurance	IS 8085 (Part 20)
395.	Footwear-Sandal and Slippers	Flexing endurance	ISO 17694: 2016 (Cl. 8.1 of IS:6721 :2023)
396.	Footwear-Sandal and Slippers	Abrasion resistance	IS 8085(Part 6): 2021
397.	Footwear-Sandal and Slippers	Abrasion resistance	ISO 17704: 2004 (Cl. 8.2 of IS:6721 :2023)
398.	Footwear-Sandal and Slippers	Tear strength	IS 5914 (Part 5/Sec 2)

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[www.qai.org.in](http://www.qai.org.in)



61 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
399.	Footwear-Sandal and Slippers	Tear strength	ISO 3377-2 /Method B of IS 7016 (Part 3/Sec 1): 2017
400.	Footwear-Sandal and Slippers	Tear strength	ISO 4674-1: 2016 (Cl. 8.3 of IS:6721 :2023)
401.	Footwear-Sandal and Slippers	Grain crack index	IS 5914 (Part 7)/ISO 3378: 2002 (Cl. 8.4 of IS:6721 :2023)
402.	Footwear-Sandal and Slippers	Density	IS 5914 (Part 4) /ISO 2420: 2017 (Cl. 8.4 of IS:6721 :2023)
403.	Footwear-Sandal and Slippers	Abrasion Resistance (Leather sole)	Annex B, Cl. 8.4 of IS:6721 :2023
404.	Footwear-Sandal and Slippers	Density	IS 3400 (Part 9): 2020/ISO 2781: 2018; Cl. 8.4 of IS:6721 :2023
405.	Footwear-Sandal and Slippers: sole material	Abrasion resistance	IS 3400 (Part 3): 2021/ISO 4649: 2017 (Cl. 8.4 of IS:6721 :2023)
406.	Footwear-Sandal and Slippers	Flexing resistance	IS 8085 (Part 4) : 2019/ISO 16177 : 2017 (Cl. 8.4 of IS:6721 :2023)
407.	Footwear-Sandal and Slippers	Toe post attachment strength	Annex C; Cl. 8.5 of IS:6721 :2023
408.	Footwear-Sandal and Slippers	Toe ring attachment strength	Annex C; Cl. 8.5 of IS:6721 :2023
409.	Footwear-Sandal and Slippers	Strap to outsole strength	IS 8085 (Part 11)/ISO 24263
410.	Footwear-Sandal and Slippers	Strap to outsole strength	Cl. 8.5 of IS:6721 :2023

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[www.qai.org.in](http://www.qai.org.in)



62 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
411.	Footwear-Sandal and Slippers	attachment strength of back strap and Buckle/D-ring	Annex D; Cl. 8.5 of IS:6721 :2023
412.	Footwear-Sandal and Slippers	Useful extension limit % of elastic attachment	IS 8085 (Part 12)/ISO 10765
413.	Footwear-Sandal and Slippers	attachment strength of back strap and velcro	Annex D; Cl. 8.5 of IS:6721 :2023
414.	Footwear-Sandal and Slippers	Hydrolysis resistance/ Flexing Resistance of Upper Material	Annex B and Annex E of IS 16645: 2018
415.	Footwear-Sandal and Slippers	Hydrolysis/ Flexing Resistance	ISO 5423: 1992 (Cl. 8.5 of IS:6721 :2023)
416.	Footwear-Sandal and Slippers	Heel pull off strength	IS 8085 (Part 10)/ ISO 22650: 2018 (Cl. 8.5 of IS:6721 :2023)
417.	Footwear-Sandal and Slippers	Slip Resistance	Annex E of IS 15844 (Part 1) (Cl. 8.5 of IS:6721 :2023)
418.	Footwear-Sports Footwear	Adhesion Test	Cl. 4.3.2 & 4.3.3 of IS:6721 :2023
419.	Footwear-Sports Footwear	Flexing resistance	IS 5914 (Part 6/Sec1)
420.	Footwear-Sports Footwear	Flexing resistance	ISO 5402-1 (Cl. 4.4 of IS:15844 (Part 1) :2023
421.	Footwear-Sports Footwear	Flexing resistance	Cl. 7.2 of IS:15844 (Part 2) :2023)
422.	Footwear-Sports Footwear	Tear strength (average force)	IS 5914 (Part 5/Sec 2)
423.	Footwear-Sports Footwear	Tear strength (average force)	ISO 3377-2 (Cl. 4.4 of IS:15844 (Part 1) :2023
424.	Footwear-Sports Footwear	Tear strength (average force)	Cl. 7.2 of IS:15844 (Part 2) :2023

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[www.qai.org.in](http://www.qai.org.in)



63 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
425.	Footwear-Sports Footwear	Water vapour permeability	IS 15298 (Part 1) (Cl. 4.4 of IS:15844 (Part 1) :2023
426.	Footwear-Sports Footwear	Water vapour permeability	Cl. 7.2 of IS:15844 (Part 2) :2023
427.	Footwear-Sports Footwear	Water vapour coefficient	IS 15298 (Part 1) (Cl. 4.4 of IS:15844 (Part 1) :2023
428.	Footwear-Sports Footwear	Water vapour coefficient	Cl. 7.2 of IS:15844 (Part 2) :2023
429.	Footwear-Sports Footwear	Stitch tear strength	LP 8 of IS 5914 (Cl. 4.4 of IS:15844 (Part 1) :2023
430.	Footwear-Sports Footwear	Stitch tear strength	Cl. 7.2 of IS:15844 (Part 2) :2023)
431.	Footwear-Sports Footwear	Breaking strength	(Cl. 4.4 of IS:15844 (Part 1) :2023)
432.	Footwear-Sports Footwear	Breaking strength	Method 1 of IS 7016 (Part 2)
433.	Footwear-Sports Footwear	Breaking strength	ISO 1421: 2016 or ISO 17706 (Cl. 7.2 of IS:15844 (Part 2) :2023)
434.	Footwear-Sports Footwear	Breaking strength	Annex K of IS 15844 (Part 1) (Cl. 7.11 of IS:15844 (Part 2) :2023)
435.	Footwear-Sports Footwear	Elongation @ break	IS 7016 (Part 2) Method 1
436.	Footwear-Sports Footwear	Elongation @ break	ISO 1421: 2016 or ISO 17706 (Cl. 4.4 of IS:15844 (Part 1) :2023
437.	Footwear-Sports Footwear	Elongation @ break	Cl. 7.2 of IS:15844 (Part 2) :2023)
438.	Footwear-Sports Footwear	Tear strength	IS 15298 (Part 1) (Cl. 4.4 of IS:15844 (Part 1) :2023
439.	Footwear-Sports Footwear	Tear strength	Cl. 7.2, 7.3 of IS:15844 (Part 2) :2023)
440.	Footwear-Sports Footwear	Flexing resistance	ISO 17694 (Cl. 4.4 of IS:15844 (Part 1) :2023)

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64 of 248



# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
441.	Footwear-Sports Footwear	Water vapour permeability	IS 15298 (Part 1) (Cl. 4.4 of IS:15844 (Part 1) :2023)
442.	Footwear-Sports Footwear	Water vapour coefficient	IS 15298 (Part 1) (Cl. 4.4 of IS:15844 (Part 1) :2023)
443.	Footwear-Sports Footwear	Hydrolysis resistance	IS 16645/ISO 5423: 1992 (Cl. 4.4 of IS:15844 (Part 1) :2023)
444.	Footwear-Sports Footwear	Hydrolysis/ Flexing Resistance	Cl. 7.2 of IS:15844 (Part 2) :2023)
445.	Footwear-Sports Footwear	Bursting Strength	IS 1966 (Part 2)/ISO 13938-2: 2019 (Cl. 4.4 of IS:15844 (Part 1) :2023)
446.	Footwear-Sports Footwear	Bursting Strength	Cl. 7.2 of IS:15844 (Part 2) :2023
447.	Footwear-Sports Footwear	Tear strength	IS 15298 (Part 1) (Cl. 4.5 of IS:15844 (Part 1) :2023)
448.	Footwear-Sports Footwear	Tear strength	Cl. 7.2, 7.6 of IS:15844 (Part 2) :2023)
449.	Footwear-Sports Footwear	Abrasion resistance	IS 15298 (Part 1) (Cl. 4.5 of IS:15844 (Part 1) :2023)
450.	Footwear-Sports Footwear	Abrasion resistance	Cl. 7.2, 7.3, 7.4 of IS:15844 (Part 2) :2023
451.	Footwear-Sports Footwear	Water vapour permeability	IS 15298 (Part 1) (Cl. 4.5 of IS:15844 (Part 1) :2023)
452.	Footwear-Sports Footwear	Water vapour permeability	Cl. 7.2, 7.3 of IS:15844 (Part 2) :2023
453.	Footwear-Sports Footwear	Water vapour coefficient	IS 15298 (Part 1) (Cl. 4.5 of IS:15844 (Part 1) :2023)
454.	Footwear-Sports Footwear	Water vapour coefficient	Cl. 7.2, 7.3 of IS:15844 (Part 2) :2023

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65 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
455.	Footwear-Sports Footwear	Thickness	IS 15298 (Part 1) (Cl. 4.5 of IS:15844 (Part 1) :2023
456.	Footwear-Sports Footwear	Thickness	Cl. 7.4, 7.5 of IS:15844 (Part 2) :2023
457.	Footwear-Sports Footwear	Flexing Index	Annex 'F' of IS:15844 (Part 1) :2023 (Cl. 4.5 of IS:15844 (Part 1) :2023
458.	Footwear-Sports Footwear	Flexing Index	Cl. 7.4 of IS:15844 (Part 2) :2023
459.	Footwear-Sports Footwear	Water Desorption	IS 15298 (Part 1) (Cl. 4.5 of IS:15844 (Part 1) :2023
460.	Footwear-Sports Footwear	Water Desorption	Cl. 7.4, 7.5 of IS:15844 (Part 2) :2023
461.	Footwear-Sports Footwear	Water Absorption	IS 15298 (Part 1) (Cl. 4.5 of IS:15844 (Part 1) :2023
462.	Footwear-Sports Footwear	Water Absorption	Cl. 7.4, 7.5 of IS:15844 (Part 2) :2023
463.	Footwear-Sports Footwear	Abrasion Resistance	IS 3400 (Part 3)/ISO 4649 (Cl. 4.8 of IS:15844 (Part 1) :2023)
464.	Footwear-Sports Footwear	Abrasion Resistance	IS 15298 (Part 1) (Cl. 7.4, 7.6 of IS:15844 (Part 2) :2023
465.	Footwear-Sports Footwear	Flexing resistance	IS 8085 (Part 4) (Cl. 4.8 of IS:15844 (Part 1) :2023
466.	Footwear-Sports Footwear	Flexing resistance	IS 8085 (Part 20)/ISO 17694 (Cl. 7.2, 7.6 of IS:15844 (Part 2) :2023
467.	Footwear-Sports Footwear	Flexing resistance	Annex D of IS:15844 (Part 1) :2023
468.	Footwear-Sports Footwear	Flexing resistance	IS 8085 (Part 4)
469.	Footwear-Sports Footwear	Flexing resistance	ISO 16177: 2012

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66 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
470.	Footwear-Sports Footwear	Flexing resistance	ISO 16177: 2012 (Cl. 7.6 of IS:15844 (Part 2) :2023
471.	Footwear-Sports Footwear	Hydrolysis/ Flexing Resistance	IS 15298 (Part 1) (Cl. 4.8 of IS:15844 (Part 1) :2023
472.	Footwear-Sports Footwear	Hydrolysis resistance	(Cl. 7.6 of IS:15844 (Part 2) :2023
473.	Footwear-Sports Footwear	Compression set	Annex G of IS:15844 (Part 1) :2023 (Cl. 7.6, 7.7 of IS:15844 (Part 2) :2023
474.	Footwear-Sports Footwear	Split tear strength	Annex H of IS:15844 (Part 1) :2023 (Cl. 7.7 of IS:15844 (Part 2) :2023
475.	Footwear-Sports Footwear	Heat shrinkage	Annex J of IS:15844 (Part 1) :2023 & (Cl. 7.5, 7.7 of IS:15844 (Part 2) :2023
476.	Footwear-Sports Footwear	First dry collapsing load	A-3.2.6 of IS 7554 (Cl. 4.10 of IS:15844 (Part 1) :2023 & (Cl. 7.8 of IS:15844 (Part 2) :2023
477.	Footwear-Sports Footwear	Resilience, percent	A-3.4 of IS 7554 (Cl. 4.10 of IS:15844 (Part 1) :2023 & (Cl. 7.8 of IS:15844 (Part 2) :2023
478.	Footwear-Sports Footwear	Moisture resistance	A-3.5 of IS 7554 (Cl. 4.10 of IS:15844 (Part 1) :2023 & (Cl. 7.8 of IS:15844 (Part 2) :2023
479.	Footwear-Sports Footwear	Initial dry area shape retention	A-3.1 of IS 7554 (Cl. 4.10 of IS:15844 (Part 1) :2023 & (Cl. 7.8 of IS:15844 (Part 2) :2023

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67 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
480.	Footwear-Sports Footwear	Area shape retention after 10 <sup>th</sup> collapse	A-3.3 of IS 7554 (Cl. 4.10 of IS:15844 (Part 1) :2023 & (Cl. 7.8 of IS:15844 (Part 2) :2023
481.	Footwear-Sports Footwear	Peel strength	IS 8085 (Part 18)
482.	Footwear-Sports Footwear	Peel strength	ISO 22777
483.	Footwear-Sports Footwear	Peel strength	(Cl. 4.11 of IS:15844 (Part 1) :2023
484.	Footwear-Sports Footwear	Peel strength	Annex C of IS 15844 (Part 1)
485.	Footwear-Sports Footwear	Peel strength	(Cl. 7.8, 7.9 of IS:15844 (Part 2) :2023
486.	Footwear-Sports Footwear	Shear strength	ISO 22776
487.	Footwear-Sports Footwear	Shear strength	(Cl. 4.11 of IS:15844 (Part 1) :2023
488.	Footwear-Sports Footwear	Shear strength	IS 8085 (Part 19)
489.	Footwear-Sports Footwear	Shear strength	(Cl. 7.9 of IS:15844 (Part 2) :2023
490.	Footwear-Sports Footwear	Limit of useful extension %	IS 8085 (Part 12)/ISO 10765 (Cl. 4.12 of IS:15844 (Part 1) :2023 & (Cl. 7.9 of IS:15844 (Part 2) :2023
491.	Footwear-Sports Footwear	Breaking strength of lace	Annex 'K' (Cl. 4.13 of IS:15844 (Part 1) :2023
492.	Footwear-Sports Footwear	Lace tag strength	Annex 'L' (Cl. 4.13 of IS:15844 (Part 1) :2023) (Cl. 7.11 of IS:15844 (Part 2) :2023
493.	Footwear-Sports Footwear	Lace to lace abrasion	IS 8085 (Part 17)/ISO 22774 (Cl. 4.13 of IS:15844 (Part 1) :2023) (Cl. 7.11 of IS:15844 (Part 2) :2023

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68 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
494.	Footwear-Sports Footwear	Colour fastness to water (for lace)	IS 6191 (Part 2)/ ISO 11642: 2012 (Cl. 4.13 of IS:15844 (Part 1) :2023) (Cl. 7.11 of IS:15844 (Part 2) :2023
495.	Footwear-Sports Footwear	Strength of Buckle/Ski hook	Annex 'M' (Cl. 4.13 of IS:15844 (Part 1) :2023) (Cl. 7.11 of IS:15844 (Part 2) :2023
496.	Footwear-Sports Footwear	Corrosion resistance (Metal parts)	IS 17098 (Cl. 4.13 of IS:15844 (Part 1) :2023) (Cl. 7.11 of IS:15844 (Part 2) :2023
497.	Footwear-Sports Footwear	Tensile strength	IS 5914 (Part 8)/ISO 3376 (Cl. 7.2 of IS:15844 (Part 2) :2023)/ IS 3400 (Part 1)/ISO 37: 2017 (Cl. 7.6 of IS:15844 (Part 2) :2023
498.	Footwear-Sports Footwear	Elongation @ break	IS 5914 (Part 8)
499.	Footwear-Sports Footwear	Elongation @ break	ISO 3376 (Cl. 7.2 of
500.	Footwear-Sports Footwear	Elongation @ break	IS:15844 (Part 2) :2023
501.	Footwear-Sports Footwear	Elongation @ break	Method 1 of IS 7016 (Part 2)
502.	Footwear-Sports Footwear	Elongation @ break	ISO 1421: 2016
503.	Footwear-Sports Footwear	Elongation @ break	ISO 17706 (Cl. 7.2 of IS:15844 (Part 2) :2023
504.	Footwear-Sports Footwear	Elongation @ break	IS 3400 (Part 1)
505.	Footwear-Sports Footwear	Elongation @ break	ISO 37: 2017
506.	Footwear-Sports Footwear	Elongation @ break	(Cl. 7.6, 7.7 of IS:15844 (Part 2) :2023

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69 of 248



# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



## Scope of Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
507.	Footwear-Sports Footwear	Water Penetration	IS 15298 (Part 2) (Cl. 7.2 of IS:15844 (Part 2) ):2023
508.	Footwear-Sports Footwear	Water Absorption	IS 15298 (Part 2) (Cl. 7.2 of IS:15844 (Part 2) ):2023
509.	Footwear-Sports Footwear	Abrasion Test	IS 15298 (Part 1) (Cl. 7.2 of IS:15844 (Part 2) ):2023
510.	Footwear-Sports Footwear	Strength Of needle perforation	Method 'A' of IS 8085 (Part 13)/ISO 17697 (Cl. 7.2 of IS:15844 (Part 2) ):2023
511.	Footwear-Sports Footwear	Needle strength	Method 'A' of IS 8085 (Part 13)/ISO 17697 (Cl. 7.9 of IS:15844 (Part 2) ):2023
512.	Footwear-Shoes	Design- Weight	Clause 4.3.2 of IS 17043 (P1):2024
513.	Footwear-Shoes	Design- Height of upper	Clause 4.4 of IS 17043 (P1):2024
514.	Footwear-Shoes	Whole footwear- Ergonomic feature	Clause 4.4 of IS 17043 (P1):2024
515.	Footwear-Shoes	Whole footwear- Bond strength	Clause 4.5.3 of IS 17043 (P1):2024
516.	Footwear-Shoes	Whole footwear- Upper - outsole bond strength	Clause 4.5.3.1 of IS 17043 (P1):2024
517.	Footwear-Shoes	Whole footwear- Interlayer bond strength	Clause 4.5.3.2 of IS 17043 (P1):2024
518.	Footwear-Shoes	Whole footwear- Slip resistance	Clause 4.5.4 of IS 17043 (P1):2024
519.	Footwear-Shoes	Whole footwear- Electrical properties	Clause 4.5.5 of IS 17043 (P1):2024

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70 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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Scope of Accreditation

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
520.	Footwear-Shoes	Whole footwear- Antistatic footwear	Clause 4.5.5.1 of IS 17043 (P1):2024
521.	Footwear-Shoes	Whole footwear- Heat insulation of sole complex	Clause 4.5.6 of IS 17043 (P1):2024
522.	Footwear-Shoes	Whole footwear- Cold insulation of sole complex	Clause 4.5.7 of IS 17043 (P1):2024
523.	Footwear-Shoes	Whole footwear- Energy absorption of seat region	Clause 4.5.8 of IS 17043 (P1):2024
524.	Footwear-Shoes	Upper- Material	Clause 4.6.1 of IS 17043 (P1):2024
525.	Footwear-Shoes	Upper- Thickness	Clause 4.6.1 of IS 17043 (P1):2024
526.	Footwear-Shoes	Upper- Tear strength	Clause 4.6.2 of IS 17043 (P1):2024
527.	Footwear-Shoes	Upper- Water vapour permeability and coefficient	Clause 4.6.3 of IS 17043 (P1):2024
528.	Footwear-Shoes	Upper- Water penetration and water absorption	Clause 4.6.4 of IS 17043 (P1):2024
529.	Footwear-Shoes	Lining material- Material	Clause 4.7.1 of IS 17043 (P1):2024
530.	Footwear-Shoes	Lining material- Thickness	Clause 4.7.1 of IS 17043 (P1):2024
531.	Footwear-Shoes	Lining material- Tear strength	Clause 4.7.2 of IS 17043 (P1):2024
532.	Footwear-Shoes	Lining material- Abrasion resistance	Clause 4.7.3 of IS 17043 (P1):2024
533.	Footwear-Shoes	Lining material- Water vapour permeability and coefficient	Clause 4.7.4 of IS 17043 (P1):2024
534.	Footwear-Shoes	Insole- Thickness	Clause 4.8.1 of IS 17043 (P1):2024
535.	Footwear-Shoes	Insole- Abrasion resistance	Clause 4.8.2 of IS 17043 (P1):2024

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71 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
536.	Footwear-Shoes	Insole- Water absorption and desorption	Clause 4.8.3 of IS 17043 (P1):2024
537.	Footwear-Shoes	Insocks- Material	Clause 4.9.1 of IS 17043 (P1):2024
538.	Footwear-Shoes	Insocks- Thickness	Clause 4.9 of IS 17043 (P1):2024
539.	Footwear-Shoes	Insocks- Water absorption and desorption	Clause 4.9.2 of IS 17043 (P1):2024
540.	Footwear-Shoes	Insocks- Abrasion resistance	Clause 4.9.3 of IS 17043 (P1):2024
541.	Footwear-Shoes	Toe puff and counter stiffener- Material and thickness	Clause 4.10 of IS 17043 (P1):2024
542.	Footwear-Shoes	Tongue- Material	Clause 4.11.1 of IS 17043 (P1):2024
543.	Footwear-Shoes	Tongue- Thickness	Clause 4.11.1 of IS 17043 (P1):2024
544.	Footwear-Shoes	Tongue- Tear strength	Clause 4.11.2 of IS 17043 (P1):2024
545.	Footwear-Shoes	Closing thread- Breaking load	Clause 4.12 of IS 17043 (P1):2024
546.	Footwear-Shoes	Outsole- Material	Clause 4.13.1 of IS 17043 (P1):2024
547.	Footwear-Shoes	Outsole- Thickness	Clause 4.13.2 of IS 17043 (P1):2024
548.	Footwear-Shoes	Outsole- Moulded density	Clause 4.13.3 of IS 17043 (P1):2024
549.	Footwear-Shoes	Outsole- Hardness	Clause 4.13.4 of IS 17043 (P1):2024
550.	Footwear-Shoes	Outsole- Ageing test	Clause 4.13.5 of IS 17043 (P1):2024
551.	Footwear-Shoes	Outsole- Tear strength	Clause 4.13.6 of IS 17043 (P1):2024
552.	Footwear-Shoes: sole material	Outsole- Abrasion resistance	Clause 4.13.7 of IS 17043 (P1):2024
553.	Footwear-Shoes	Outsole- Flexing resistance	Clause 4.13.8 of IS 17043 (P1):2024
554.	Footwear-Shoes	Eyelet- Material	Clause 4.14 of IS 17043 (P1):2024

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72 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
555.	Footwear-Shoes	Eyelet- Colour peeling test	Clause 4.14 of IS 17043 (P1):2024
556.	Footwear-Shoes	Eyelet- Eyelet pull out test	Clause 4.14 of IS 17043 (P1):2024
557.	Footwear-Shoes	Laces- Material	Clause 4.15.1 of IS 17043 (P1):2024
558.	Footwear-Shoes	Laces-Breaking load and tag retention	Clause 4.15.2 of IS 17043 (P2):2024
559.	Footwear-Shoes	Shape and Design	Clause 5.1 of IS 17043 (P2):2024
560.	Footwear-Shoes	Construction	Clause 5.2 of IS 17043 (P2):2024
561.	Footwear-Shoes	Material	Clause 5.3 of IS 17043 (P2):2024
562.	Footwear-Shoes	Bond strength- Upper to outsole	IS 15844 (Part 1) Annex C (Clause 5.4 of IS 17043 (P2):2024
563.	Footwear-Shoes	Inter layer bond strength- Midsole to outsole	IS 15844 (Part 1) Annex C (Clause 5.4 of IS 17043 (P2):2024
564.	Footwear-Shoes	Whole shoe flexing, flexes	IS 8085 (Part 16) Method A (Clause 5.4 of IS 17043 (P2):2024
565.	Footwear-Shoes	Water proofness on complete shoe	Clause 5.4 of IS 17043 (P2):2024
566.	Footwear-Shoes	Slip resistance	IS 15844 (Part 1) Annex E (Clause 5.4 of IS 17043 (P2):2024
567.	Footwear-Shoes	Attachment strength of strap and buckle/D-ring	IS 6721 Annex D (Clause 5.4 of IS 17043 (P2):2024
568.	Footwear-Shoes	Attachment strength of strap and velcro	IS 6721 Annex D (Clause 5.4 of IS 17043 (P2):2024)
569.	Footwear-Shoes	Strength of eyelet attachment	Annex C, Clause 5.4 of IS 17043 (P2):2024

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73 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
570.	Footwear-Shoes	Heel pull off strength	IS 8085 (Part 10) (Clause 5.4 of IS 17043 (P2):2024
571.	Footwear-Shoes	Top piece attachment strength	ISO 19958 (Clause 5.4 of IS 17043 (P2):2024
572.	Footwear-Shoes	Seam strength	IS 8085 (Part 13) Method B (Clause 5.4 of IS 17043 (P2):2024
573.	Footwear-Shoes	Whole shoe topline strength	Annex D, Clause 5.4 of IS 17043 (P2):2024
574.	Footwear-Shoes sole material	Abrasion resistance	Clause 5.4 of IS 17043 (P2):2024
575.	Footwear-Shoes	Hydrolysis/ Flexing Resistance	IS 15298 (Part 1) (Table 1 of IS 17011 (Clause 5.4 of IS 17043 (P2):2024
576.	Footwear-Shoes	Upper Material Leather-Tear strength,	IS 5914 (Part 5/Sec 2)/ ISO 3377-2 (Clause 6.1.1 of IS 17043 (P2):2024
577.	Footwear-Shoes	Upper Material Leather-Flexing resistance	IS 5914 (Part 6/Sec1) (Clause 6.1.1 of IS 17043 (P2):2024
578.	Footwear-Shoes	Upper Material Leather-Water vapour permeability	IS 15298 (Part 1) (Clause 6.1.1 of IS 17043 (P2):2024
579.	Footwear-Shoes	Upper Material Leather-Water vapour coefficient	IS 15298 (Part 1) (Clause 6.1.1 of IS 17043 (P2):2024
580.	Footwear-Shoes	Upper Material Leather-Stitch tear strength	IS 5914 - LP 8 (Clause 6.1.1 of IS 17043 (P2):2024
581.	Footwear-Shoes	Upper Material Leather-Abrasion resistance	IS 15298 (Part 1) (Clause 6.1.1 of IS 17043 (P2):2024

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74 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
582.	Footwear-Shoes	Upper Material Leather-Water resistance	IS 15298 (Part 1) (Clause 6.1.2 of IS 17043 (P2):2024
583.	Footwear-Shoes	Upper Material Leather-Flexing resistance	IS 5914 (Part 6/Sec1) (Clause 6.1.2 of IS 17043 (P2):2024
584.	Footwear-Shoes	Upper Material (Non-Leather)-Breaking strength	ISO 17706 (Clause 6.1.3 of IS 17043 (P2):2024
585.	Footwear-Shoes	Upper Material (Non-Leather)-Elongation at break	ISO 17706 (Clause 6.1.3 of IS 17043 (P2):2024))
586.	Footwear-Shoes	Upper Material (Non-Leather)-Tear Strength	IS 7016 (Part 3/Sec 1) Method B (Clause 6.1.3 of IS 17043 (P2):2024))
587.	Footwear-Shoes	Upper Material (Non-Leather)-Strength at needle perforation	IS 8085 (Part13) Method A (Clause 6.1.3 of IS 17043 (P2):2024))
588.	Footwear-Shoes	Upper Material (Non-Leather)-Flexing resistance	IS 8085 (Part 20) (Clause 6.1.3 of IS 17043 (P2):2024))
589.	Footwear-Shoes	Upper Material (Non-Leather)-Water vapour permeability	IS 15298 (Part 1) (Clause 6.1.3 of IS 17043 (P2):2024)
590.	Footwear-Shoes	Upper Material (Non-Leather)-Water vapour coefficient	(Clause 6.1.3 of IS 17043 (P2):2024))
591.	Footwear-Shoes	Upper Material (Non-Leather)-Hydrolysis resistance	IS 5914 (Part 6/ Sec 1) (Clause 6.1.3 of IS 17043 (P2):2024))
592.	Footwear-Shoes	Upper Material (Non-Leather)-Abrasion resistance	IS 15298 (Part 1) (Clause 6.1.3 of IS 17043 (P2):2024))
593.	Footwear-Shoes	Upper Material (Non-Leather)-Flexing resistance	IS 8085 (Part 20) (Clause 6.1.3 of IS 17043 (P2):2024))

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75 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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### Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
594.	Footwear-Shoes	Lining-Tear strength	IS 7016 (Part 3/Sec 1) Method B (Clause 6.2 of IS 17043 (P2):2024))
595.	Footwear-Shoes	Lining-Abrasion resistance	IS 15298 (Part 1) (Clause 6.2 of IS 17043 (P2):2024))
596.	Footwear-Shoes	Lining-Water vapour permeability	IS 15298 (Part 1) (Clause 6.2 of IS 17043 (P2):2024))
597.	Footwear-Shoes	Insole-Flexing index	IS 15844 (Part 1) Annex F (Clause 6.3 of IS 17043 (P2):2024))
598.	Footwear-Shoes	Insole-Abrasion resistance at 400 cycles	IS 15298 (Part 1) (Clause 6.3 of IS 17043 (P2):2024))
599.	Footwear-Shoes	Insole-Water absorption	IS 15298 (Part 1) (Clause 6.3 of IS 17043 (P2):2024))
600.	Footwear-Shoes	Insole-Water desorption	IS 15298 (Part 1) (Clause 6.3 of IS 17043 (P2):2024))
601.	Footwear-Shoes	In-Sock-Thickness	ISO 2589 (Clause 6.4 of IS 17043 (P2):2024))
602.	Footwear-Shoes	In-Sock-Abrasion resistance	IS 15298 (Part 1) (Clause 6.4 of IS 17043 (P2):2024))
603.	Footwear-Shoes	In-Sock-Water absorption	IS 15298 (Part 1) (Clause 6.4 of IS 17043 (P2):2024))
604.	Footwear-Shoes	In-Sock-Water desorption	IS 15298 (Part 1) (Clause 6.3 of IS 17043 (P2):2024))
605.	Footwear-Shoes	Outsole-Flexing resistance (belt method)	IS 8085 (Part 4) (Clause 6.5.1 of IS 17043 (P2):2024))

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76 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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Scope of Accreditation

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
606.	Footwear-Shoes	Outsole- Hydrolysis resistance	IS 15298 (Part 1) (Clause 6.5.1 of IS 17043 (P2):2024))
607.	Footwear-Shoes	Outsole-Compression set	IS 15844 (Part 1) Annex G (Clause 6.5.1 of IS 17043 (P2):2024))
608.	Footwear-Shoes	Leather Outsole-Grain crack index	ISO 3378 (Clause 6.5.2.1 of IS 17043 (P2):2024))
609.	Footwear-Shoes	Leather Outsole-Density	IS 5914 (Part 4) (Clause 6.5.2.1 of IS 17043 (P2):2024))
610.	Footwear-Shoes	Leather Outsole-Abrasion resistance	IS 6721 Annex B (Clause 6.5.2.1 of IS 17043 (P2):2024))
611.	Footwear-Shoes	Leather Outsole-Water resistance	ISO 5404 (Clause 6.5.2.2 of IS 17043 (P2):2024))
612.	Footwear-Shoes	Rubber or Polymeric Top-Lifts-Hardness	IS 5676 (Clause 6.5.2.2 of IS 17043 (P2):2024))
613.	Footwear-Shoes	Rubber or Polymeric Top-Lifts-Density	IS 10702 Annex C (Clause 6.5.2.2 of IS 17043 (P2):2024))
614.	Footwear-Shoes: sole material	Rubber or Polymeric Top-Lifts-Abrasion resistance	IS 3400 (Part 3) (Clause 6.5.2.2 of IS 17043 (P2):2024))
615.	Footwear-Shoes	Rubber or Polymeric Top-Lifts-Bond Strength between Rubber top- lift and adjacent material	IS 15844 (Part 1) Annex C (Clause 6.5.2.2 of IS 17043 (P2):2024))
616.	Footwear-Shoes	Midsole- Heat shrinkage	IS 15844 (Part 1) Annex J (Clause 6.6 of IS 17043 (P2):2024))

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77 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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### Scope of Accreditation

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
617.	Footwear-Shoes	Midsole- Split tear strength	IS 15844 (Part 1) Annex H (Clause 6.6 of IS 17043 (P2):2024))
618.	Footwear-Shoes	Midsole- Compression set	IS 15844 (Part 1) Annex G (Clause 6.6 of IS 17043 (P2):2024))
619.	Footwear-Shoes	Toe and Counter Stiffener-Hardness	IS 7554 Annex A-3.2 (Clause 6.7 of IS 17043 (P2):2024))
620.	Footwear-Shoes	Toe and Counter Stiffener-Resilience	IS 7554 Annex A-3.4 (Clause 6.7 of IS 17043 (P2):2024))
621.	Footwear-Shoes	Toe and Counter Stiffener-Moisture resistance	IS 7554 Annex A-3.5 (Clause 6.7 of IS 17043 (P2):2024))
622.	Footwear-Shoes	Toe and Counter Stiffener-Area shape retention	IS 7554 Annex A-3.1; IS 7554 Annex A-3.3 (Clause 6.7 of IS 17043 (P2):2024))
623.	Footwear-Shoes	Toe and Counter Stiffener-Adhesion strength	IS 15844 (Part 1)(Clause 6.7 of IS 17043 (P2):2024))
624.	Footwear-Shoes	Velcro Fastener-Peel strength	IS 8085 (Part 18)(Clause 6.8 of IS 17043 (P2):2024))
625.	Footwear-Shoes	Velcro Fastener-Shear strength	IS 8085 (Part 19) (Clause 6.8 of IS 17043 (P2):2024))
626.	Footwear-Shoes	Velcro Fastener-Initial	IS 8085 (Part 19) (Clause 6.8 of IS 17043 (P2):2024))
627.	Footwear-Shoes	Elastic Tape-Limit of useful extension	IS 8085 (Part 12) (Clause 6.9 of IS 17043 (P2):2024))
628.	Footwear-Shoes	Elastic Tape-Needle strength	IS 8085 (Part 13) Method A (Clause 6.9 of IS 17043 (P2):2024))

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78 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
629.	Footwear-Shoes	Fasteners (Lace/ Buckle/Eyelet/ D-Ring/Ski-Hook/Metal Trims)- Lace breaking strength	IS 15844 (Part 1) Annex K (Clause 6.10 of IS 17043 (P2):2024))
630.	Footwear-Shoes	Fasteners (Lace/ Buckle/Eyelet/ D-Ring/Ski-Hook/Metal Trims)- Lace tag strength	IS 15844 (Part 1) Annex L (Clause 6.10 of IS 17043 (P2):2024))
631.	Footwear-Shoes	Fasteners (Lace/ Buckle/Eyelet/ D-Ring/Ski-Hook/Metal Trims)- Lace to lace abrasion resistance	I (Part 17) (Clause 6.10 of IS 17043 (P2):2024))
632.	Footwear-Shoes	Fasteners (Lace/ Buckle/Eyelet/ D-Ring/Ski-Hook/Metal Trims)- Colour fastness to water for lace contact method staining	IS 6191 (Part 2) (Clause 6.10 of IS 17043 (P2):2024))
633.	Footwear-Shoes	Fasteners (Lace/ Buckle/Eyelet/ D-Ring/Ski-Hook/Metal Trims)- Corrosion resistance	IS 17098 (Clause 6.10 of IS 17043 (P2):2024))
634.	Footwear-Shoes	Zipper-Fatigue resistance	ISO 10751 (Clause 6.11 of IS 17043 (P2):2024))
635.	Footwear-Shoes	Zipper-Security of puller attachment strength	ISO 10734 (Clause 6.11 of IS 17043 (P2):2024))
636.	Footwear-Shoes	Zipper-Lateral load	ISO 10764 (Clause 6.11 of IS 17043 (P2):2024))
637.	Footwear-Shoes	Zipper-End attachment strength	ISO 10750 (Clause 6.11 of IS 17043 (P2):2024))

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79 of 248



# Quality And Accreditation Institute Centre for International Accreditation

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Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,

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QAI/CIA/TL/2025/0107

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Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
638.	Footwear-Jungle Boots	Design	Clause 5.1 of IS 17861: 2022
639.	Footwear-Jungle Boots	Height of Upper	Clause 5.3 of IS 17861: 2022
640.	Footwear-Jungle Boots	Weight	Clause 5.4 of IS 17861: 2022
641.	Footwear-Jungle Boots	Construction	Clause 5.5.1.1 of IS 17861: 2022
642.	Footwear-Jungle Boots	Upper – Outsole Bond Strength	Clause 5.5.2 of IS 17861: 2022
643.	Footwear-Jungle Boots	Consolidation Test	Clause 5.5.3 of IS 17861: 2022
644.	Footwear-Jungle Boots	Ergonomic Features	Clause 5.5.4 of IS 17861: 2022
645.	Footwear-Jungle Boots	Slip Resistance	Clause 5.5.5 of IS 17861: 2022
646.	Footwear-Jungle Boots	Energy Absorption of Seat Region	Clause 5.5.6 of IS 17861: 2022
647.	Footwear-Jungle Boots	Water Resistance	Clause 5.5.7 of IS 17861: 2022
648.	Footwear-Jungle Boots	Penetration Resistance	Clause 5.6.1 of IS 17861: 2022
649.	Footwear-Jungle Boots	Electrical Resistance	Clause 5.6.2 of IS 17861: 2022
650.	Footwear-Jungle Boots	Heat Insulation of Sole Complex	Clause 5.6.3 of IS 17861: 2022
651.	Footwear-Jungle Boots	Cold Insulation of Sole Complex	Clause 5.6.4 of IS 17861: 2022
652.	Footwear-Jungle Boots	Upper- Material	Clause 5.7.1 of IS 17861: 2022
653.	Footwear-Jungle Boots	Upper- Tear Strength	Clause 5.7.2 of IS 17861: 2022
654.	Footwear-Jungle Boots	Upper- Water Vapour Permeability and Coefficient	Clause 5.7.3 of IS 17861: 2022
655.	Footwear-Jungle Boots	Upper- Colour Fastness	Clause 5.7.4 of IS 17861: 2022
656.	Footwear-Jungle Boots	Lining- Material	Clause 5.8.1 of IS 17861: 2022
657.	Footwear-Jungle Boots	Lining- Tear Strength	Clause 5.8.2 of IS 17861: 2022

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80 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



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Plot No. 244, Sector-07, IMT Manesar,  
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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
658.	Footwear-Jungle Boots	Lining- Abrasion Resistance	Clause 5.8.3 of IS 17861: 2022
659.	Footwear-Jungle Boots	Lining- Water Vapour Permeability and Coefficient	Clause 5.8.4 of IS 17861: 2022
660.	Footwear-Jungle Boots	Outer Toe Cap- Tear Strength	Clause 5.9.1 of IS 17861: 2022
661.	Footwear-Jungle Boots	Binding Tape	Clause 5.10 of IS 17861: 2022
662.	Footwear-Jungle Boots	Closing Thread	Clause 5.11 of IS 17861: 2022
663.	Footwear-Jungle Boots	Insole-Material and Thickness	Clause 5.12.1 of IS 17861: 2022
664.	Footwear-Jungle Boots	Insole-Abrasion Resistance	Clause 5.12.2 of IS 17861: 2022
665.	Footwear-Jungle Boots	Insole-Water Absorption and Desorption	Clause 5.12.3 of IS 17861: 2022
666.	Footwear-Jungle Boots	Insocks- Material and Thickness	Clause 5.13.1 of IS 17861: 2022
667.	Footwear-Jungle Boots	Insocks- Abrasion Resistance	Clause 5.13.2 of IS 17861: 2022
668.	Footwear-Jungle Boots	Insocks- Bond Strength of Textile Layer and Insock	Clause 5.13.3 of IS 17861: 2022
669.	Footwear-Jungle Boots	Tongue	Clause 5.14 of IS 17861: 2022
670.	Footwear-Jungle Boots	Toe Puff and Counter Stiffener	Clause 5.15 of IS 17861: 2022
671.	Footwear-Jungle Boots	Sole-Material	Clause 5.16.1 of IS 17861: 2022
672.	Footwear-Jungle Boots	Sole- Thickness	Clause 5.16.2 of IS 17861: 2022
673.	Footwear-Jungle Boots	Sole- Sole Density	Clause 5.16.3 of IS 17861: 2022
674.	Footwear-Jungle Boots	Sole- Hardness	Clause 5.16.4 of IS 17861: 2022
675.	Footwear-Jungle Boots	Sole- Ageing	Clause 5.16.5 of IS 17861: 2022
676.	Footwear-Jungle Boots	Sole- Tear Strength	Clause 5.16.6 of IS 17861: 2022

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81 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
677.	Footwear-Jungle Boots: sole material	Sole- Abrasion Resistance	Clause 5.16.7 of IS 17861: 2022
678.	Footwear-Jungle Boots	Sole- Flexing Resistance	Clause 5.16.8 of IS 17861: 2022
679.	Footwear-Jungle Boots	Hydrolysis	Clause 5.16.9 of IS 17861: 2022
680.	Footwear-Jungle Boots	Sole- Interlayer Bond Strength	Clause 5.16.10 of IS 17861: 2022
681.	Footwear-Jungle Boots	Eyelets	Clause 5.17 of IS 17861: 2022
682.	Footwear-Jungle Boots	Laces-Material	Clause 5.18.1 of IS 17861: 2022
683.	Footwear-Jungle Boots	Laces- Breaking Load and Tag Retention	Clause 5.18.3 of IS 17861: 2022
684.	Footwear-Jungle Boots	Laces- Abrasion Resistance	Clause 5.18.4 of IS 17861: 2022
685.	Footwear-Jungle Boots	Laces- Lace to lace	Clause 5.18.4.1 of IS 17861: 2022
686.	Footwear-Jungle Boots	Laces- Lace to eyelet	Clause 5.18.4.2 of IS 17861: 2022
687.	Footwear-Jungle Boots	Marking	Clause 7 of IS 17043 (P2):2024)
688.	Footwear-Shoes	Design	Clause 5 of IS 15844 (Part 3): 2024
689.	Footwear-Shoes	Bond Performance	Clause 7.1.1 of IS 15844 (Part 3): 2024
690.	Footwear-Shoes	Energy Absorption at Seat Region	Clause 7.1.2 of IS 15844 (Part 3): 2024
691.	Footwear-Shoes	Complete Shoe Flexing	Clause 7.1.3 of IS 15844 (Part 3): 2024
692.	Footwear-Shoes	Washability	Clause 7.1.4 of IS 15844 (Part 3): 2024
693.	Footwear-Shoes	Slip Resistance	Clause 7.1.5 of IS 15844 (Part 3): 2024
694.	Footwear-Shoes	Heel Drop	Clause 7.1.6 of IS 15844 (Part 3): 2024
695.	Footwear-Shoes	Upper Material (Leather)- Flexing resistance	IS 5914 (Part 6/Sec1)/ISO 5402-1 or IS 8085 (Part 20))

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82 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
696.	Footwear-Shoes	Upper Material (Leather)- Flexing resistance	ISO 17694 (Clause 7.2 of IS 15844 (Part 3): 2024)
697.	Footwear-Shoes	Upper Material (Leather)- Tear strength	IS 5914 (Part 5/Sec 2)/ISO 3377-2 (Clause 7.2 of IS 15844 (Part 3): 2024)
698.	Footwear-Shoes	Upper Material (Leather)- Water vapour permeability	IS 15298 (Part 1) (Clause 7.2 of IS 15844 (Part 3): 2024)
699.	Footwear-Shoes	Upper Material (Leather)- Water vapour coefficient,	IS 15298 (Part 1) (Clause 7.2 of IS 15844 (Part 3): 2024)
700.	Footwear-Shoes	Upper Material (Leather)- Stitch tear strength	LP 8 of IS 5914 (Clause 7.2 of IS 15844 (Part 3): 2024)
701.	Footwear-Shoes	Upper Material (Leather)- Tensile strength	IS 5914 (Part 8)/ISO 3376 (Clause 7.2 of IS 15844 (Part 3): 2024)
702.	Footwear-Shoes	Upper Material (Leather)- Elongation at break	IS 5914 (Part 8)/ISO 3376 (Clause 7.2 of IS 15844 (Part 3): 2024)
703.	Footwear-Shoes	Upper Material (Leather)- Abrasion test	IS 15298 (Part 1) (Clause 7.2 of IS 15844 (Part 3): 2024)
704.	Footwear-Shoes	Upper Material (Coated Fabric/Textile or Combinations)- Breaking strength	Method 1 of IS 7016 (Part 2)/ ISO 1421 (Clause 7.2 of IS 15844 (Part 3): 2024)
705.	Footwear-Shoes	Upper Material (Coated Fabric/Textile or Combinations)- Elongation at break	Method 1 of IS 7016 (Part 2)/ ISO 1421 or ISO 17706 (Clause 7.2 of IS 15844 (Part 3): 2024)

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83 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
706.	Footwear-Shoes	Upper Material (Coated Fabric/Textile or Combinations)-Tear strength	IS 15298 (Part 1) (Clause 7.2 of IS 15844 (Part 3): 2024)
707.	Footwear-Shoes	Upper Material (Coated Fabric/Textile or Combinations)-Strength at needle perforation	Method 'A' of IS 8085 (Part 13)/ISO 17697 (Clause 7.2 of IS 15844 (Part 3): 2024)
708.	Footwear-Shoes	Upper Material (Coated Fabric/Textile or Combinations)-Flexing resistance	IS 8085 (Part 20)/ISO 17694 (Clause 7.2 of IS 15844 (Part 3): 2024)
709.	Footwear-Shoes	Upper Material (Coated Fabric/Textile or Combinations)-Water vapour permeability	IS 15298 (Part 1) (Clause 7.2 of IS 15844 (Part 3): 2024)
710.	Footwear-Shoes	Upper Material (Coated Fabric/Textile or Combinations)-Water vapour coefficient	(IS 15298 (Part 1) (Clause 7.2 of IS 15844 (Part 3): 2024)
711.	Footwear-Shoes	Hydrolysis resistance	IS 15298 (Part 1) (Clause 7.2 of IS 15844 (Part 3): 2024)
712.	Footwear-Shoes	Lining Material-Tear strength	IS 15298 (Part 1) (Clause 7.3 of IS 15844 (Part 3): 2024)
713.	Footwear-Shoes	Lining Material-Abrasion resistance	IS 15298 (Part 1) (Clause 7.3 of IS 15844 (Part 3): 2024)
714.	Footwear-Shoes	Lining Material-Water vapour permeability	IS 15298 (Part 1) (Clause 7.3 of IS 15844 (Part 3): 2024)

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84 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
715.	Footwear-Shoes	Lining Material-Water vapour coefficient	IS 15298 (Part 1) (Clause 7.3 of IS 15844 (Part 3): 2024)
716.	Footwear-Shoes	Insole-Flexing index	Annex F of IS 15844 (Part 1) (Clause 7.4 of IS 15844 (Part 3): 2024)
717.	Footwear-Shoes	Insole-Abrasion resistance	IS 15298 (Part 1) (Clause 7.4 of IS 15844 (Part 3): 2024)
718.	Footwear-Shoes	Insole-Water absorption	IS 15298 (Part 1) (Clause 7.4 of IS 15844 (Part 3): 2024)
719.	Footwear-Shoes	Insole-Water desorption	IS 15298 (Part 1) (Clause 7.4 of IS 15844 (Part 3): 2024)
720.	Footwear-Shoes	In-Sock (Sockliner) -Abrasion resistance	IS 15298 (Part 1) (Clause 7.5 of IS 15844 (Part 3): 2024)
721.	Footwear-Shoes	In-Sock (Sockliner) -Water absorption	IS 15298 (Part 1) (Clause 7.5 of IS 15844 (Part 3): 2024)
722.	Footwear-Shoes	In-Sock (Sockliner) -Water desorption	IS 15298 (Part 1) (Clause 7.5 of IS 15844 (Part 3): 2024)
723.	Footwear-Shoes	In-Sock (Sockliner) -Heat resistance shrinkage linear	Annex J of IS 15844 (Part 1) (Clause 7.5 of IS 15844 (Part 3): 2024)
724.	Footwear-Shoes: sole material	Outsole-Abrasion resistance	IS 3400 (Part 3)/ ISO 4649 (Clause 7.6 of IS 15844 (Part 3): 2024)
725.	Footwear-Shoes	Outsole-Flexing resistance	ISO 17707 (Clause 7.6 of IS 15844 (Part 3): 2024)
726.	Footwear-Shoes	Outsole-Hydrolysis resistance	IS 15298 (Part 1) (Clause 7.6 of IS 15844 (Part 3): 2024)

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85 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
727.	Footwear-Shoes	Outsole-Tear strength	IS 15298 (Part1) (Clause 7.6 of IS 15844 (Part 3): 2024)
728.	Footwear-Shoes	Outsole-Tensile strength	IS 3400 (Part 1)/ ISO 37 (Clause 7.6 of IS 15844 (Part 3): 2024)
729.	Footwear-Shoes	Outsole-Elongation at break percent	IS 3400 (Part 1)/ISO 37 (Clause 7.6 of IS 15844 (Part 3): 2024)
730.	Footwear-Shoes	Outsole-Compression set percent	Annex of IS 15844 (Part 1) (Clause 7.6 of IS 15844 (Part 3): 2024)
731.	Footwear-Shoes	Midsole-Compression set	Annex G of IS 15844 (Part 1) (Clause 7.7 of IS 15844 (Part 3): 2024)
732.	Footwear-Shoes	Midsole-Split tear strength	Annex H of IS 15844 (Part 1) (Clause 7.7 of IS 15844 (Part 3): 2024)
733.	Footwear-Shoes	Midsole-Heat shrinkage	Annex J of IS 15844 (Part 1) (Clause 7.7 of IS 15844 (Part 3): 2024)
734.	Footwear-Shoes	Midsole-Elongation at break	IS 3400 (Part 1)/ISO 37 (Clause 7.7 of IS 15844 (Part 3): 2024)
735.	Footwear-Shoes	Counter Stiffener-First dry collapsing load, hardness	A-3.2.6 (Clause 7.8 of IS 15844 (Part 3): 2024)
736.	Footwear-Shoes	Counter Stiffener-Resilience	A-3.4 (Clause 7.8 of IS 15844 (Part 3): 2024)
737.	Footwear-Shoes	Counter Stiffener-Moisture resistance	A-3.5 (Clause 7.8 of IS 15844 (Part 3): 2024)
738.	Footwear-Shoes	Counter Stiffener-Initial dry area shape retention	A-3.1 (Clause 7.8 of IS 15844 (Part 3): 2024)

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86 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
739.	Footwear-Shoes	Counter Stiffener-Area shape retention after 10th collapse	A-3.3 (Clause 7.8 of IS 15844 (Part 3): 2024)
740.	Footwear-Shoes	Counter Stiffener-Peel strength	Annex C of IS 15844 (Part 1) (Clause 7.8 of IS 15844 (Part 3): 2024)
741.	Footwear-Shoes	Velcro Fastener-Peel strength	IS 8085 (Part 18)/ISO 22777 (Clause 7.9 of IS 15844 (Part 3): 2024)
742.	Footwear-Shoes	Velcro Fastener-Shear strength	IS 8085 (Part 19)/ISO 22776 (Clause 7.9 of IS 15844 (Part 3): 2024)
743.	Footwear-Shoes	Elastic Tape-Limit of useful extension	IS 8085 (Part 12)/ISO 10765 (Clause 7.10 of IS 15844 (Part 3): 2024)
744.	Footwear-Shoes	Elastic Tape-Needle strength	Method 'A' of IS 8085 (Part 13)/ISO 17697 (Clause 7.10 of IS 15844 (Part 3): 2024)
745.	Footwear-Shoes	Fasteners (Lace/Buckle/Eyelet/D-Ring/Ski-Hook/Metal Trims)- Breaking strength of lace,	Annex K of IS 15844 (Part 1) (Clause 7.11 of IS 15844 (Part 3): 2024)
746.	Footwear-Shoes	Fasteners (Lace/Buckle/Eyelet/D-Ring/Ski-Hook/Metal Trims)- Lace tag strength	Annex L of IS 15844 (Part 1) (Clause 7.11 of IS 15844 (Part 3): 2024)
747.	Footwear-Shoes	Fasteners (Lace/Buckle/Eyelet/D-Ring/Ski-Hook/Metal Trims)- Lace to lace abrasion	IS 8085 (Part 17)/ISO 22774 (Clause 7.11 of IS 15844 (Part 3): 2024)
748.	Footwear-Shoes	Fasteners (Lace/Buckle/Eyelet/D-Ring/Ski-Hook/Metal Trims)-	IS 6191 (Part 2)/ISO 11642 (Clause 7.11 of IS 15844 (Part 3): 2024)

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87 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
		Colour fastness to water (for lace)	
749.	Footwear-Shoes	Fasteners (Lace/Buckle/Eyelet/D-Ring/Ski-Hook/Metal Trims)- Strength of buckle/ski hook/D-ring,	Annex M of IS 15844 (Part 1) (Clause 7.11 of IS 15844 (Part 3): 2024)
750.	Footwear-Shoes	Fasteners (Lace/Buckle/Eyelet/D-Ring/Ski-Hook/Metal Trims)- Corrosion resistance	IS 17098 (Both Method 1 and Method 2) (Clause 7.11 of IS 15844 (Part 3): 2024)
751.	Footwear-Shoes (Metal Parts)	Spike/ Studs-Corrosion resistance	IS 17098 (Both Method 1 and Method 2) (Clause 7.11 of IS 15844 (Part 3): 2024)
752.	Leather & synthetic Footwears (Zipper)	Open-End Slide Fastener Single Stringer Slider Retention	EN 16732
753.	Leather & synthetic Footwears (Zipper)	Puller Attachment	ASTM D2061
754.	Leather & synthetic Footwears (Zipper)	Strength Of Closed-End	ASTM D 2061
755.	Leather & synthetic Footwears (Zipper)	Strength Of Closed-End	EN 16732ASTM D 2061
756.	Zipper of Footwear & footwear product	Strength Of Open-End Slide Fastener Box	ASTM D 2061
757.	Leather & synthetic Footwears (Zipper)	Strength Of Top Stop	ASTM D2061, SATRA TM53

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88 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
758.	Leather & synthetic Footwears (Zipper)	Lateral Strength Of Open-End Attachment	ASTM D 2061, SATRA TM51
759.	Leather & synthetic Footwears (Zipper)	Strength Of Puller Attachment	EN 16732
760.	Leather & synthetic Footwears (Zipper)	Zipper fatigue tester/reciprocating test	ISO 10751: 2016
761.	Zipper of Footwear & footwear product	Slider fastener to repeated opening and closing	Satra TM 50: 2018
762.	Leather & synthetic Footwears (Zipper)	Strength Of Top Stop	EN 16732: 2015
763.	Leather & synthetic Footwears (Zipper)	Lateral Strength Of Open-End Attachment	EN 16732:2015
764.	Leather & synthetic Footwears (Zipper)	Lateral Strength Of Slide Fastener	EN 16732:2015
765.	Leather & synthetic Footwears (Zipper)	Strength Of Slide Fasteners Puller	SATRA TM 52: 2018
766.	Footwear (Upper & Lining)	Vertical Wicking Test	AATCC 79
767.	Footwear (Upper & Lining)	Vertical Wicking Test	SATRA TM 305
768.	Footwear (Upper & Lining)	Tensile Properties	ASTM D5035:2019
769.	Footwear (Upper & Lining)	Mass Per Unit Area	ISO 3801 (RA 2011)
770.	Footwear (Upper & Lining)	Colour Fastness To Water Spotting Of Textiles And Coated Fabrics	SATRA TM 185
771.	Rubber And Rubber Products	Hardness Shore A	ISO 868: 2003

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89 of 248



# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
772.	Leather & Footwear -(Slide Fastners)	Attachment Strength Of Slide Fastners End Stops	SATRA TM 53: 1992
773.	Leather & Footwear -(Slide Fastners)	Lateral Strength of Slide Fastner	SATRA TM 51:1993
774.	Leather & Footwear -(Slide Fastners)	Security Attachment of Top Stop	IS 14181 PART-2:2002
775.	Leather & Footwear -(Slide Fastners)	Strength Of Slide Fastners Puller	SATRA TM 52:2018
776.	Footwear	Whole Shoe Flexing	ISO 19955:2006
777.	Leather/ Footwear Products & Accessories	Shoe Lace Strength	SATRA TM 94:2018
778.	Leather/ Footwear Products & Accessories	Shoe Lace Tag Strength	SATRA TM 175:2018
779.	Footwear (sole material)	Top-Piece Attachment	BS 5131: 5.9: 1979
780.	Footwear (sole material)	Top-Piece Attachment	SATRA TM 108
781.	Leather / Footwear Products & Accessories	Knot Slippage Test	SATRA TM 195
782.	Leather / Footwear Products & Accessories	Hydrolysis Test of Pu Based Sheet Material	SATRA TM 328
783.	Leather / Footwear Products & Accessories	Heel Attachment	BS EN 12785
784.	Leather / Footwear Products & Accessories	Heel Attachment	SATRA TM 113

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90 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
785.	Leather / Footwear Products & Accessories	Determination Of Distention And Strength Of Surface (Ball Burst Methods)	ISO 3379: 2015
786.	Leather / Footwear Products & Accessories	Determination Of Distention And Strength Of Surface (Ball Burst Methods)	ISO 14970: 2001
787.	Leather / Footwear Products & Accessories	Determination Of Distention And Strength Of Surface (Ball Burst Methods)	SATRA TM 24: 2017
788.	Leather / Footwear Products & Accessories	Adhesion Of Finish	ISO 11644: 2022
789.	Leather / Footwear Products & Accessories	Adhesion Of Finish	SATRA TM 410:1995
790.	Leather & Leather Products	Determination Of Resistance To Damage By flexing	ISO 132:2017
791.	Leather & Leather Products	Determination Of Resistance To Damage By flexing	ISO 7854: 1995
792.	Leather & Leather Products	Abrasion Resistance of Leather	SATRA TM 193: 2004
793.	Leather & synthetic Footwears (Zipper)	Slider Locking Strength Of Slide Fasteners	SATRA TM 226: 1999
794.	Leather & synthetic Footwears	Resistance To Scuffing By Mild Circular Abrasion	SATRA TM 14: 2021
795.	Footwears	Mass Per Unit Area	SATRA TM 28: 2021

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91 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
796.	Leather	Determination Of Dry Heat Resistance of Leather	ISO 17227: 2002
797.	Leather / Footwear (sole material)	Bata Belt Flexing	SATRA TM 133: 2017
798.	Leather / Footwear	Compression Set	SATRA TM 64: 1996
799.	Leather / Footwear	Grain Crack	ISO 3378: 2002
800.	Leather / Footwear	Grain Crack	SATRA TM 48: 1996
801.	Leather / Footwear	Heel Attachment	ISO 12785: 2012
802.	Footwear Products & Accessories	Velcro Shear Strength	ISO 22776: 2004
803.	Footwear Products & Accessories	Velcro Peel Strength	ISO 22777: 2004
804.	Footwear Products & Accessories	Velcro Peel Strength	SATRA TM 123: 2018
805.	Footwear Products & Accessories	Velcro Shear Strength	SATRA TM 123: 2018
806.	Footwear	Whole Shoe Flexing	SATRA TM 92; ISO 19955
807.	Textile Footwear Products & Accessories	Bursting Strength	SATRA TM 170, ISO 2759:2014
808.	Leather / Footwear	Edge Crush Test	ISO 3037: 2022
809.	Leather / Footwear	Colour Fastness to water	ISO 11642:2012
810.	Leather/ Footwear Products & Accessories	Seam Strength (Dry and Wet)	IS 15891-18: 2024

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92 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,

Gurugram-122052, Haryana, India

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Valid from: 07 March 2025

Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
811.	Leather/ Footwear Products & Accessories	Seam Strength (Dry & Wet)	ISO 13935-1: 2014
812.	Leather/ Footwear Products & Accessories	Seam Strength	ISO 13935-2: 2014
813.	Leather/ Footwear Products & Accessories	Tensile Strength (Dry & Wet)	IS 15891-3: 2024
814.	Leather/ Footwear Products & Accessories	Tensile Strength (Dry & Wet)	ISO 13934-1: 2013
815.	Leather/ Footwear Products & Accessories	Bursting Strength Test	IS 1966-1: 2022
816.	Leather/ Footwear Products & Accessories	Thickness	EN ISO 5084: 1996
817.	Leather/ Footwear Products & Accessories	Fabric Width	ISO 3932: 1976
818.	Leather/ Footwear Products & Accessories	Breaking Strength of Buckle - Three point Bending test	SATRA TM 141: 1994
819.	Leather/ Footwear Products & Accessories	Attachments Strength of Eyelets	SATRA TM 150:1999
820.	Leather/ Footwear Products & Accessories	Strength Of Slider Locking Device	ASTM D 2061:2021
821.	Leather / synthetic footwear (Zipper)	Strength Of Slider Locking Device	EN 16732: 2015
822.	Personal Protective Equipment part 1	Specific Ergonomic Features	Cl. 5.1 of IS 15298-1: 2024

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[www.qai.org.in](http://www.qai.org.in)



93 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



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Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
823.	Personal Protective Equipment part 1	Determination of upper/ outsole Determination of upper/outsole and sole interlayer bond strength sole interlayer bond strength	Cl. 5.2 of IS 15298-1: 2024
824.	Personal Protective Equipment part 1	Determination of dimensions of toecap	Cl. 5.3 of IS 15298-1: 2024
825.	Personal Protective Equipment part 1	Determination of impact resistance	Cl. 5.4 of IS 15298-1: 2024
826.	Personal Protective Equipment part 1	Determination of compression resistance	Cl. 5.5 of IS 15298-1: 2024
827.	Personal Protective Equipment part 1	Behaviour of toecaps (thermal and chemical)	Cl. 5.6 of IS 15298-1: 2024
828.	Personal Protective Equipment part 1	Determination of leak proofness	Cl. 5.7 of IS 15298-1: 2024
829.	Personal Protective Equipment part 1	Dimensions of perforation resistant inserts	Cl. 5.8 of IS 15298-1: 2024
830.	Personal Protective Equipment part 1	Determination of the perforation resistance of footwear with a metallic perforation resistant insert	Cl. 5.9 of IS 15298-1: 2024
831.	Personal Protective Equipment part 1	Determination of the perforation resistance of footwear with a non-metallic	Cl. 5.10 of IS 15298-1: 2024

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94 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



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Plot No. 244, Sector-07, IMT Manesar,  
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Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
		perforation resistant insert	
832.	Personal Protective Equipment part 1	Behaviour of perforation resistant inserts (thermal and chemical)	Cl. 5.11 of IS 15298-1: 2024
833.	Personal Protective Equipment part 1	Determination of the flex resistance of perforation-resistant inserts	Cl. 5.12 of IS 15298-1: 2024
834.	Personal Protective Equipment part 1	Determination of electrical resistance	Cl. 5.13 of IS 15298-1: 2024
835.	Personal Protective Equipment part 1	Determination of footwear slip resistance	Cl. 5.14 of IS 15298-1: 2024
836.	Personal Protective Equipment part 1	Determination of insulation against heat	Cl. 5.15 of IS 15298-1: 2024
837.	Personal Protective Equipment part 1	Determination of insulation against cold	Cl. 5.16 of IS 15298-1: 2024
838.	Personal Protective Equipment part 1	Determination of energy absorption of the seat region	Cl. 5.17 of IS 15298-1: 2024
839.	Personal Protective Equipment part 1	Determination of resistance to water for whole footwear: trough test	Cl. 5.18 of IS 15298-1: 2024
840.	Personal Protective Equipment part 1	Determination of impact resistance of a metatarsal protection	Cl. 5.20 of IS 15298-1: 2024

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[www.qai.org.in](http://www.qai.org.in)



95 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Valid from: 07 March 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
841.	Personal Protective Equipment part 1	Determination of the dimension of the ankle protection	Cl. 5.21 of IS 15298-1: 2024
842.	Personal Protective Equipment part 1	Determination of the shock absorption capacity of ankle protection materials incorporated into the upper	Cl. 5.22 of IS 15298-1: 2024
843.	Personal Protective Equipment part 1	Determination of cutting resistance	Cl. 5.23 of IS 15298-1: 2024
844.	Personal Protective Equipment part 1	Scuff caps	Cl. 5.24 of IS 15298-1: 2024
845.	Personal Protective Equipment part 1	Determination of seam strength	Cl. 5.25 of IS 15298-1: 2024
846.	Personal Protective Equipment part 1	Determination of thickness of upper	Cl. 6.1 of IS 15298-1: 2024
847.	Personal Protective Equipment part 1	Measurement of the height of the upper	Cl. 6.2 of IS 15298-1: 2024
848.	Personal Protective Equipment part 1	Determination of tear strength of the upper, lining and/or tongue	Cl. 6.3 of IS 15298-1: 2024
849.	Personal Protective Equipment part 1	Determination of the tensile properties of the upper material	Cl. 6.4 of IS 15298-1: 2024

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[www.qai.org.in](http://www.qai.org.in)



96 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Valid from: 07 March 2025

Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
850.	Personal Protective Equipment part 1	Determination of upper flexing resistance	Cl. 6.5 of IS 15298-1: 2024
851.	Personal Protective Equipment part 1	Determination of water vapour permeability (WVP)	Cl. 6.6 of IS 15298-1: 2024
852.	Personal Protective Equipment part 1	Determination of water vapour absorption (WVA)	Cl. 6.7 of IS 15298-1: 2024
853.	Personal Protective Equipment part 1	Determination of water vapour coefficient (WVC)	Cl. 6.8 of IS 15298-1: 2024
854.	Personal Protective Equipment part 1	Determination of resistance to hydrolysis of upper	Cl. 6.10 of IS 15298-1: 2024
855.	Personal Protective Equipment part 1	Determination of abrasion resistance of lining and insock	Cl. 6.12 of IS 15298-1: 2024
856.	Personal Protective Equipment part 1	Determination of water penetration and water absorption for upper	Cl. 6.13 of IS 15298-1: 2024
857.	Personal Protective Equipment part 1	Determination of insole, insock and footbed thickness	Cl. 7.1 of IS 15298-1: 2024
858.	Personal Protective Equipment part 1	Determination of water absorption and desorption of insole and/or insock	Cl. 7.2 of IS 15298-1: 2024
859.	Personal Protective Equipment part 1	Determination of abrasion resistance of insole	Cl. 7.3 of IS 15298-1: 2024
860.	Personal Protective Equipment part 1	General remarks	Cl. 8.1 of IS 15298-1: 2024

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97 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
861.	Personal Protective Equipment part 1	Determination of outsole dimensions	Cl. 8.2 of IS 15298-1: 2024
862.	Personal Protective Equipment part 1	Determination of tear strength of outsole	Cl. 8.3 of IS 15298-1: 2024
863.	Personal Protective Equipment part 1	Determination of outsole abrasion resistance	Cl. 8.4 of IS 15298-1: 2024
864.	Personal Protective Equipment part 1	Determination of footwear rigidity	Cl. 8.5 of IS 15298-1: 2024
865.	Personal Protective Equipment part 1	Determination of flexing resistance of outsole	Cl. 8.6 of IS 15298-1: 2024
866.	Personal Protective Equipment part 1	Determination of resistance to hydrolysis of outsole	Cl. 8.7 of IS 15298-1: 2024
867.	Personal Protective Equipment part 1	Determination of resistance to hot contact	Cl. 8.9 of IS 15298-1: 2024
868.	Personal Protective Equipment Part 2 Safety Footwear	General	Cl. 5.1 of IS 15298-2: 2024
869.	Personal Protective Equipment Part 2 Safety Footwear	Height of upper	Cl. 5.2.2 of IS 15298-2: 2024
870.	Personal Protective Equipment Part 2 Safety Footwear	Heel area (design A) & Heel area (design B, C, D, E)	Cl. 5.2.3 of IS 15298-2: 2024

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98 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
871.	Personal Protective Equipment Part 2 Safety Footwear	Construction	Cl. 5.3.1.1 of IS 15298-2: 2024
872.	Personal Protective Equipment Part 2 Safety Footwear	Upper/outsole bond strength	Cl. 5.3.1.2 of IS 15298-2: 2024
873.	Personal Protective Equipment Part 2 Safety Footwear	General	Cl. 5.3.2.1 of IS 15298-2: 2024
874.	Personal Protective Equipment Part 2 Safety Footwear	Internal length	Cl. 5.3.2.2 of IS 15298-2: 2024
875.	Personal Protective Equipment Part 2 Safety Footwear	Width of toecap flange	Cl. 5.3.2.3 of IS 15298-2: 2024
876.	Personal Protective Equipment Part 2 Safety Footwear	Corrosion resistance	Cl. 5.3.2.4 of IS 15298-2: 2024
877.	Personal Protective Equipment Part 2 Safety Footwear	Behaviour of toecaps (thermal and chemical)	Cl. 5.3.2.5 of IS 15298-2: 2024
878.	Personal Protective Equipment Part 2 Safety Footwear	Impact resistance	Cl. 5.3.2.6 of IS 15298-2: 2024

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99 of 248



# Quality And Accreditation Institute

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
879.	Personal Protective Equipment Part 2 Safety Footwear	Compression resistance	Cl. 5.3.2.7 of IS 15298-2: 2024
880.	Personal Protective Equipment Part 2 Safety Footwear	Leak proofness	Cl. 5.3.3 of IS 15298-2: 2024
881.	Personal Protective Equipment Part 2 Safety Footwear	Specific ergonomic features	Cl. 5.3.4 of IS 15298-2: 2024
882.	Personal Protective Equipment Part 2 Safety Footwear	Slip resistance	Cl. 5.3.5.1 & 5.3.5.2 of IS 15298-2: 2024
883.	Personal Protective Equipment Part 2 Safety Footwear	Seam Strength	Cl. 5.3.7 of IS 15298-2: 2024
884.	Personal Protective Equipment Part 2 Safety Footwear	Water resistance	Cl. 6.2.5 of IS 15298-2: 2024
885.	Personal Protective Equipment Part 2 Safety Footwear	General	Cl. 5.4.1 of IS 15298-2: 2024
886.	Personal Protective Equipment Part 2 Safety Footwear	Height of the area where upper requirements apply (class I)	Cl. 5.4.1.1 of IS 15298-2: 2024

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100 of 248

# Quality And Accreditation Institute

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
887.	Personal Protective Equipment Part 2 Safety Footwear	Height of the area where upper requirements apply (hybrid)	Cl. 5.4.1.2 of IS 15298-2: 2024
888.	Personal Protective Equipment Part 2 Safety Footwear	Thickness of Upper	Cl. 5.4.2 of IS 15298-2: 2024
889.	Personal Protective Equipment Part 2 Safety Footwear	Tear strength of Upper	Cl. 5.4.3 of IS 15298-2: 2024
890.	Personal Protective Equipment Part 2 Safety Footwear	Tensile properties Of Upper	Cl. 5.4.4 of IS 15298-2: 2024
891.	Personal Protective Equipment Part 2 Safety Footwear	Flexing resistance Of Upper	Cl. 5.4.5 of IS 15298-2: 2024
892.	Personal Protective Equipment Part 2 Safety Footwear	Water vapour permeability and coefficient Of Upper	Cl. 5.4.6 of IS 15298-2: 2024
893.	Personal Protective Equipment Part 2 Safety Footwear	Resistance to hydrolysis	Cl. 5.4.7 of IS 15298-2: 2024
894.	Personal Protective Equipment Part 2 Safety Footwear	Tear strength of Vamp Lining/ Quarter Lining	Cl. 5.5.2 of IS 15298-2: 2024

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101 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
895.	Personal Protective Equipment Part 2 Safety Footwear	Abrasion Resistance of Vamp Lining/ Quarter Lining	Cl. 5.5.3 of IS 15298-2: 2024
896.	Personal Protective Equipment Part 2 Safety Footwear	Water vapour permeability and coefficient of Vamp Lining/ Quarter Lining	Cl. 5.5.4 of IS 15298-2: 2024
897.	Personal Protective Equipment Part 2 Safety Footwear	Thickness of Insole & Insock	Cl. 5.7.1 of IS 15298-2: 2024
898.	Personal Protective Equipment Part 2 Safety Footwear	Water Permeability of Insole, Insock & Footpad	Cl. 5.7.2 of IS 15298-2: 2024
899.	Personal Protective Equipment Part 2 Safety Footwear	Water absorption desorption of Insole & Insock	Cl. 5.7.3 of IS 15298-2: 2024
900.	Personal Protective Equipment Part 2 Safety Footwear	Abrasion Resistance of Insole	Cl. 5.7.4.1 of IS 15298-2: 2024
901.	Personal Protective Equipment Part 2 Safety Footwear	Abrasion Resistance of Insock	Cl. 5.7.4.2 of IS 15298-2: 2024
902.	Personal Protective Equipment Part 2 Safety Footwear	Tear strength of Tongue	Cl. 5.6.2 of IS 15298-2: 2024

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102 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
903.	Personal Protective Equipment Part 2 Safety Footwear	Thickness of Outsole	CI 5.8.2.1 of IS 15298-2: 2024
904.	Personal Protective Equipment Part 2 Safety Footwear	Cleated Area of Outsole	CI 5.8.2.2 of IS 15298-2: 2024
905.	Personal Protective Equipment Part 2 Safety Footwear	Cleat Height of Outsole	CI 5.8.2.3 of IS 15298-2: 2024
906.	Personal Protective Equipment Part 2 Safety Footwear	Tear Strength of Outsole	CI 5.8.3 of IS 15298-2: 2024
907.	Personal Protective Equipment Part 2 Safety Footwear	Abrasion Resistance of Outsole	CI 5.8.4 of IS 15298-2: 2024
908.	Personal Protective Equipment Part 2 Safety Footwear	Flexing Resistance of Outsole	CI 5.8.5 of IS 15298-2: 2024
909.	Personal Protective Equipment Part 2 Safety Footwear	Resistance to Hydrolysis of Outsole	CI 5.8.6 of IS 15298-2: 2024
910.	Personal Protective Equipment Part 2 Safety Footwear	Interlayer Bond Strength	CI 5.8.7 of IS 15298-2: 2024

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103 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
911.	Personal Protective Equipment Part 2 Safety Footwear	Perforation Resistance	CI 6.2.1 of IS 15298-2: 2024
912.	Personal Protective Equipment Part 2 Safety Footwear	Partially conductive footwear	CI 6.2.2.1 of IS 15298-2: 2024
913.	Personal Protective Equipment Part 2 Safety Footwear	Electrical Properties- Antistatic Footwear	CI 6.2.2.2 of IS 15298-2: 2024
914.	Personal Protective Equipment Part 2 Safety Footwear	Heat Insulation of Outsole	CI 6.2.3.1 of IS 15298-2: 2024
915.	Personal Protective Equipment Part 2 Safety Footwear	Cold Insulation of Outsole	CI 6.2.3.2 of IS 15298-2: 2024
916.	Personal Protective Equipment Part 2 Safety Footwear	Energy absorption of seat region	CI 6.2.4 of IS 15298-2: 2024
917.	Personal Protective Equipment Part 2 Safety Footwear	Water resistance	CI 6.2.5 of IS 15298-2: 2024
918.	Personal Protective Equipment Part 2 Safety Footwear	Metatarsal protection	CI 6.2.6 of IS 15298-2: 2024

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104 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
919.	Personal Protective Equipment Part 2 Safety Footwear	Ankle protection	CI 6.2.7 of IS 15298-2: 2024
920.	Personal Protective Equipment Part 2 Safety Footwear	Cut resistance	CI 6.2.8 of IS 15298-2: 2024
921.	Personal Protective Equipment Part 2 Safety Footwear	Scuff cap Abrasion	CI 6.2.9 of IS 15298-2: 2024
922.	Personal Protective Equipment Part 2 Safety Footwear	Slip resistance (on ceramic tile floor with glycerine)	CI 6.2.10 of IS 15298-2: 2024
923.	Personal Protective Equipment Part 2 Safety Footwear	Water penetration and absorption	CI 6.3 of IS 15298-2: 2024
924.	Personal Protective Equipment Part 2 Safety Footwear	Resistance to hot contact	CI 6.4.1 of IS 15298-2: 2024
925.	Personal Protective Equipment Part 2 Safety Footwear	Ladder Grip	CI 6.4.3 of IS 15298-2: 2024
926.	Personal Protective Equipment Part 3 Protective Footwear	Height of upper	CI 5.2.2 of IS 15298-3: 2024

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105 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
927.	Personal Protective Equipment Part 3 Protective Footwear	Heel area (design A) & Heel area (design B, C, D, E)	CI 5.2.3 of IS 15298-3: 2024
928.	Personal Protective Equipment Part 3 Protective Footwear	Construction	CI 5.3.1.1 of IS 15298-3: 2024
929.	Personal Protective Equipment Part 3 Protective Footwear	Upper/outsole bond strength	CI 5.3.1.2 of IS 15298-3: 2024
930.	Personal Protective Equipment Part 3 Protective Footwear	General	CI 5.3.2.1 of IS 15298-3: 2024
931.	Personal Protective Equipment Part 3 Protective Footwear	Internal length	CI 5.3.2.2 of IS 15298-3: 2024
932.	Personal Protective Equipment Part 3 Protective Footwear	Width of toecap flange	CI 5.3.2.3 of IS 15298-3: 2024
933.	Personal Protective Equipment Part 3 Protective Footwear	Corrosion resistance	CI 5.3.2.4 of IS 15298-3: 2024
934.	Personal Protective Equipment Part 3 Protective Footwear	Behaviour of toecaps (thermal and chemical)	CI 5.3.2.5 of IS 15298-3: 2024

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106 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
935.	Personal Protective Equipment Part 3 Protective Footwear	Impact resistance	CI 5.3.2.6 of IS 15298-3: 2024
936.	Personal Protective Equipment Part 3 Protective Footwear	Compression resistance	CI 5.3.2.7 of IS 15298-3: 2024
937.	Personal Protective Equipment Part 3 Protective Footwear	Leak proofness	CI 5.3.3 of IS 15298-3: 2024
938.	Personal Protective Equipment Part 3 Protective Footwear	Specific ergonomic features	CI 5.3.4 of IS 15298-3: 2024
939.	Personal Protective Equipment Part 3 Protective Footwear	Slip Resistance	CI 5.3.5.1 & 5.3.5.2 of IS 15298-3: 2024
940.	Personal Protective Equipment Part 3 Protective Footwear	Seam Strength	CI 5.3.7 of IS 15298-3: 2024
941.	Personal Protective Equipment Part 3 Protective Footwear	Water resistance	CI 6.2.5 of IS 15298-3: 2024
942.	Personal Protective Equipment Part 3 Protective Footwear	General	CI 5.4.1 of IS 15298-3: 2024

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107 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
943.	Personal Protective Equipment Part 3 Protective Footwear	Height of the area where upper requirements apply (class I)	CI 5.4.1.1 of IS 15298-3: 2024
944.	Personal Protective Equipment Part 3 Protective Footwear	Height of the area where upper requirements apply (hybrid)	CI 5.4.1.2 of IS 15298-3: 2024
945.	Personal Protective Equipment Part 3 Protective Footwear	Thickness of upper	CI 5.4.2 of IS 15298-3: 2024
946.	Personal Protective Equipment Part 3 Protective Footwear	Tear strength of upper	CI 5.4.3 of IS 15298-3: 2024
947.	Personal Protective Equipment Part 3 Protective Footwear	Tensile properties of upper	CI 5.4.4 of IS 15298-3: 2024
948.	Personal Protective Equipment Part 3 Protective Footwear	Flexing resistance of upper	CI 5.4.5 of IS 15298-3: 2024
949.	Personal Protective Equipment Part 3 Protective Footwear	Water vapour permeability and coefficient of upper	CI 5.4.6 of IS 15298-3: 2024
950.	Personal Protective Equipment Part 3 Protective Footwear	Resistance to hydrolysis of upper	CI 5.4.7 of IS 15298-3: 2024

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108 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
951.	Personal Protective Equipment Part 3 Protective Footwear	Tear strength of Vamp/ Quarter	CI 5.5.2 of IS 15298-3: 2024
952.	Personal Protective Equipment Part 3 Protective Footwear	Abrasion resistance of Vamp/ Quarter	CI 5.5.3 of IS 15298-3: 2024
953.	Personal Protective Equipment Part 3 Protective Footwear	Water vapour permeability and coefficient of Vamp/ Quarter	CI 5.5.4 of IS 15298-3: 2024
954.	Personal Protective Equipment Part 3 Protective Footwear	Thickness of Insole/ Insock	CI 5.7.1 of IS 15298-3: 2024
955.	Personal Protective Equipment Part 3 Protective Footwear	Water permeability	CI 5.7.2 of IS 15298-3: 2024
956.	Personal Protective Equipment Part 3 Protective Footwear	Water absorption desorption of Insole/ Insock	CI 5.7.3 of IS 15298-3: 2024
957.	Personal Protective Equipment Part 3 Protective Footwear	Insole Abrasion	CI 5.7.4.1 of IS 15298-3: 2024
958.	Personal Protective Equipment Part 3 Protective Footwear	Insock Abrasion	CI 5.7.4.2 of IS 15298-3: 2024

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109 of 248



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
959.	Personal Protective Equipment Part 3 Protective Footwear	Tear Strength of Tongue	CI 5.6.2 of IS 15298-3: 2024
960.	Personal Protective Equipment Part 3 Protective Footwear	Thickness of Outsole	CI 5.8.2.1 of IS 15298-3: 2024
961.	Personal Protective Equipment Part 3 Protective Footwear	Cleated area of Outsole	CI 5.8.2.2 of IS 15298-3: 2024
962.	Personal Protective Equipment Part 3 Protective Footwear	Cleat height	CI 5.8.2.3 of IS 15298-3: 2024
963.	Personal Protective Equipment Part 3 Protective Footwear	Tear strength of Outsole	CI 5.8.3 of IS 15298-3: 2024
964.	Personal Protective Equipment Part 3 Protective Footwear	Abrasion resistance of Outsole	CI 5.8.4 of IS 15298-3: 2024
965.	Personal Protective Equipment Part 3 Protective Footwear	Flexing resistance of Outsole	CI 5.8.5 of IS 15298-3: 2024
966.	Personal Protective Equipment Part 3 Protective Footwear	Resistance to hydrolysis of Outsole	CI 5.8.6 of IS 15298-3: 2024

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110 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
967.	Personal Protective Equipment Part 3 Protective Footwear	Perforation Resistance	CI 6.2.1 of IS 15298-3: 2024
968.	Personal Protective Equipment Part 3 Protective Footwear	Partially conductive footwear	CI 6.2.2.1 of IS 15298-3: 2024
969.	Personal Protective Equipment Part 3 Protective Footwear	Antistatic footwear	CI 6.2.2.2 of IS 15298-3: 2024
970.	Personal Protective Equipment Part 3 Protective Footwear	Heat insulation of outsole complex	CI 6.2.3.1 of IS 15298-3: 2024
971.	Personal Protective Equipment Part 3 Protective Footwear	cold insulation of outsole complex	CI 6.2.3.2 of IS 15298-3: 2024
972.	Personal Protective Equipment Part 3 Protective Footwear	Energy absorption of seat region	CI 6.2.4 of IS 15298-3: 2024
973.	Personal Protective Equipment Part 3 Protective Footwear	Water resistance	CI 6.2.5 of IS 15298-3: 2024
974.	Personal Protective Equipment Part 3 Protective Footwear	Metatarsal protection	CI 6.2.6 of IS 15298-3: 2024

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111 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
975.	Personal Protective Equipment Part 3 Protective Footwear	Ankle protection	CI 6.2.7 of IS 15298-3: 2024
976.	Personal Protective Equipment Part 3 Protective Footwear	Cut resistance	CI 6.2.8 of IS 15298-3: 2024
977.	Personal Protective Equipment Part 3 Protective Footwear	Scuff cap abrasion	CI 6.2.9 of IS 15298-3: 2024
978.	Personal Protective Equipment Part 3 Protective Footwear	Slip resistance (on ceramic tile floor with glycerine)	CI 6.2.10 of IS 15298-3: 2024
979.	Personal Protective Equipment Part 3 Protective Footwear	Water penetration and absorption	CI 6.3 of IS 15298-3: 2024
980.	Personal Protective Equipment Part 3 Protective Footwear	Resistance to hot contact	CI 6.4.1 of IS 15298-3: 2024
981.	Personal Protective Equipment Part 3 Protective Footwear	Ladder grip	CI 6.4.3 of IS 15298-3: 2024
982.	Protective footwear for motorcycle riders	Height of Upper	CI. 4.2.1 of ISO 13634: 2017

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112 of 248

# Quality And Accreditation Institute

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
983.	Protective footwear for motorcycle riders	Upper/outsole bond strength	Cl. 4.3.1 of ISO 13634: 2017
984.	Protective footwear for motorcycle riders	Colour Dye fastness- Upper	Cl. 4.4.3 of ISO 13634: 2017
985.	Protective footwear for motorcycle riders	Tear strength- Lining	Cl. 4.5.2 of ISO 13634: 2017
986.	Protective footwear for motorcycle riders	Abrasion resistance- Lining	Cl. 4.5.3 of ISO 13634: 2017
987.	Protective footwear for motorcycle riders	Colour fastness- Lining	Cl. 4.5.6 of ISO 13634: 2017
988.	Protective footwear for motorcycle riders	Thickness and cleat height- Outsole	Cl. 4.6.1 of ISO 13634: 2017
989.	Protective footwear for motorcycle riders	Abrasion resistance- Outsole	Cl. 4.6.2 of ISO 13634: 2017
990.	Protective footwear for motorcycle riders	Hydrolysis- outsole	Cl. 4.6.3 of ISO 13634: 2017
991.	Protective footwear for motorcycle riders	Interlayer bond strength	Cl. 4.6.4 of ISO 13634: 2017
992.	Protective footwear for motorcycle riders	Ergonomics	Cl. 4.7 of ISO 13634: 2017
993.	Protective footwear for motorcycle riders	Thickness of Insole & Insock	Cl. 5.7.1 of ISO 13634: 2017
994.	Protective footwear for motorcycle riders	Water Absorption & Desorption	Cl. 5.7.3 of ISO 13634: 2017

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113 of 248

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(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
995.	Protective footwear for motorcycle riders	Abrasion Resistance of Insole	Cl. 5.7.4.1 of ISO 13634: 2017
996.	Protective footwear for motorcycle riders	Abrasion Resistance of Insole	Cl. 5.7.4.2 of ISO 13634: 2017
997.	Protective footwear for motorcycle riders	Resistance to Water Penetration	Cl. 5.2 of ISO 13634: 2017
998.	Protective footwear for motorcycle riders	Slip resistance of outsole	Cl. 5.4 of ISO 13634: 2017
999.	Protective footwear for motorcycle riders	Permeable uppers	Cl. 5.5 of ISO 13634: 2017
1000.	Protective footwear for motorcycle riders	Water absorption and desorption- Insole/ Insock	Cl. 5.6 of ISO 13634: 2017
1001.	Protective clothing for use in welding and allied processes	Tensile strength	Cl. 6.2 of BS EN ISO 11611: 2015
1002.	Protective clothing for use in welding and allied processes	Tear strength	Cl. 6.3 of BS EN ISO 11611: 2015
1003.	Protective clothing for use in welding and allied processes	Burst strength of knitted materials and seams	Cl. 6.4 of BS EN ISO 11611: 2015
1004.	Protective clothing for use in welding and allied processes	Seam strength	Cl. 6.5 of BS EN ISO 11611: 2015
1005.	Protective clothing for use in welding and allied processes	Dimensional change of textile materials	Cl. 6.6 of BS EN ISO 11611: 2015
1006.	Textile Products	Dimensional change of textile materials	ISO 5077

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114 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

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Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1007.	Protective clothing for use in welding and allied processes	Limited flame spread	Cl. 6.7 of BS EN ISO 11611: 2015
1008.	Protective clothing — Clothing to protect against heat and flame	Heat resistance at a temperature of $(180 \pm 5) ^\circ\text{C}$	Cl. 6.2.1 of BS EN ISO 11612: 2015
1009.	Protective clothing — Clothing to protect against heat and flame	Optional requirement — Heat resistance at a temperature of $(260 \pm 5) ^\circ\text{C}$	Cl. 6.2.2 of BS EN ISO 11612: 2015
1010.	Protective clothing — Clothing to protect against heat and flame	Heat Resistance	ISO 17493
1011.	Protective clothing — Clothing to protect against heat and flame	Limited flame spread	Cl. 6.3 of BS EN ISO 11612: 2015
1012.	Protective clothing — Clothing to protect against heat and flame	Dimensional change of textile materials	Cl. 6.4 of BS EN ISO 11612: 2015
1013.	Protective clothing — Clothing to protect against heat and flame	Tensile strength	Cl. 6.5.1 of BS EN ISO 11612: 2015
1014.	Protective clothing — Clothing to protect against heat and flame	Tear strength	Cl. 6.5.2 of BS EN ISO 11612: 2015

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115 of 248

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Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1015.	Protective clothing — Clothing to protect against heat and flame	Burst strength for knitted materials and seams	Cl. 6.5.3 of BS EN ISO 11612: 2015
1016.	Protective clothing — Clothing to protect against heat and flame	Seam strength	Cl. 6.5.4 of BS EN ISO 11612: 2015
1017.	Protective clothing — Clothing to protect against heat and flame	Contact heat (code letter F)	Cl. 7.6 of BS EN ISO 11612: 2015
1018.	Polyvinylchloride (PVC) Industrial Boots	Design	Cl 4.1 of IS 12254: 2021 (A1: 2023)
1019.	Polyvinylchloride (PVC) Industrial Boots	Height of Upper	Cl 5.3 of IS 12254: 2021
1020.	Polyvinylchloride (PVC) Industrial Boots	Construction	Cl 5.4.1 of IS 12254: 2021
1021.	Polyvinylchloride (PVC) Industrial Boots	Ergonomic Feature	Cl 5.4.2 of IS 12254: 2021
1022.	Polyvinylchloride (PVC) Industrial Boots	Upper-Outsole Bond Strength	Cl 5.4.3 of IS 12254: 2021
1023.	Polyvinylchloride (PVC) Industrial Boots	Slip Resistance	Cl 5.4.4 of IS 12254: 2021
1024.	Polyvinylchloride (PVC) Industrial Boots	Leak proofness	Cl 5.4.5 of IS 12254: 2021
1025.	Polyvinylchloride (PVC)	Toe Cap- General	Cl 5.4.6.1 of IS 12254: 2021

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[www.qai.org.in](http://www.qai.org.in)



116 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

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Valid from: 07 March 2025

Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
	Industrial Boots		
1026.	Polyvinylchloride (PVC) Industrial Boots	Toe Cap- Internal Length	CI 5.4.6.2 of IS 12254: 2021
1027.	Polyvinylchloride (PVC) Industrial Boots	Corrosion resistance	CI 5.4.6.3 of IS 12254: 2021
1028.	Polyvinylchloride (PVC) Industrial Boots	Impact resistance	CI 5.4.6.4 of IS 12254: 2021
1029.	Polyvinylchloride (PVC) Industrial Boots	Compression resistance	CI 5.4.6.5 of IS 12254: 2021
1030.	Polyvinylchloride (PVC) Industrial Boots	Color- Visual	CI 5.4.7 of IS 12254: 2021
1031.	Polyvinylchloride (PVC) Industrial Boots	Conductive footwear	CI 5.4.8.1 of IS 12254: 2021
1032.	Polyvinylchloride (PVC) Industrial Boots	Antistatic footwear	CI 5.4.8.2 of IS 12254: 2021
1033.	Polyvinylchloride (PVC) Industrial Boots	Penetration resistance	CI 5.4.8.3 of IS 12254: 2021
1034.	Polyvinylchloride (PVC) Industrial Boots	Cut resistance	CI 5.4.8.4 of IS 12254: 2021
1035.	Polyvinylchloride (PVC) Industrial Boots	Resistance to acid and alkali	CI 5.4.8.5 of IS 12254: 2021, Annex-B
1036.	Polyvinylchloride (PVC) Industrial Boots	Material and Thickness	CI 5.5.1 of IS 12254: 2021
1037.	Polyvinylchloride (PVC)	Tensile Strength	CI 5.5.2 of IS 12254: 2021

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117 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
	Industrial Boots		
1038.	Polyvinylchloride (PVC) Industrial Boots	Flexing Resistance	CI 5.5.3 of IS 12254: 2021
1039.	Polyvinylchloride (PVC) Industrial Boots	Hardness	CI 5.5.4 of IS 12254: 2021
1040.	Polyvinylchloride (PVC) Industrial Boots	Cold Flex Resistance	CI 5.5.5 of IS 12254: 2021
1041.	Polyvinylchloride (PVC) Industrial Boots	Material	CI 5.6.1 of IS 12254: 2021
1042.	Polyvinylchloride (PVC) Industrial Boots	Tear Strength	CI 5.6.2 of IS 12254: 2021
1043.	Polyvinylchloride (PVC) Industrial Boots	Abrasion Resistance	CI 5.6.3 of IS 12254: 2021
1044.	Polyvinylchloride (PVC) Industrial Boots	Adhesion of Lining with Upper	CI 5.6.4 of IS 12254: 2021
1045.	Polyvinylchloride (PVC) Industrial Boots	Material and Thickness	CI 5.7.1 of IS 12254: 2021
1046.	Polyvinylchloride (PVC) Industrial Boots	Abrasion Resistance	CI 5.7.2 of IS 12254: 2021
1047.	Polyvinylchloride (PVC) Industrial Boots	Water Absorption and Desorption	CI 5.7.3 of IS 12254: 2021
1048.	Polyvinylchloride (PVC) Industrial Boots	Material- Lace	CI 5.8.2 of IS 12254: 2021
1049.	Polyvinylchloride (PVC)	Composition- Lace	CI 5.8.2 of IS 12254: 2021

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[www.qai.org.in](http://www.qai.org.in)



118 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

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Valid from: 07 March 2025

Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
	Industrial Boots		
1050.	Polyvinylchloride (PVC) Industrial Boots	Length- Lace	CI 5.8.2 of IS 12254: 2021
1051.	Polyvinylchloride (PVC) Industrial Boots	Breaking Load- Lace	CI 5.8.2 of IS 12254: 2021 (Ref. IS 1969-1 & 1969-2)
1052.	Polyvinylchloride (PVC) Industrial Boots	Thickness- Insock	CI 5.9 of IS 12254: 2021
1053.	Polyvinylchloride (PVC) Industrial Boots	Material- Insock	CI 5.9.1 of IS 12254: 2021
1054.	Polyvinylchloride (PVC) Industrial Boots	Abrasion Resistance	CI 5.9.2 of IS 12254: 2021
1055.	Polyvinylchloride (PVC) Industrial Boots	Water Absorption and Desorption	CI 5.9.3 of IS 12254: 2021
1056.	Polyvinylchloride (PVC) Industrial Boots	Breaking Load- Closing Thread	CI 5.10 of IS 12254: 2021(Ref. IS 4910-3)
1057.	Polyvinylchloride (PVC) Industrial Boots	Material and Thickness- Outsole	CI 5.11.1 of IS 12254: 2021
1058.	Polyvinylchloride (PVC) Industrial Boots	Outsole Density	CI 5.11.2 of IS 12254: 2021
1059.	Polyvinylchloride (PVC) Industrial Boots	Interlayer Bond Strength	CI 5.11.3 of IS 12254: 2021
1060.	Polyvinylchloride (PVC) Industrial Boots	Tear Strength	CI 5.11.4 of IS 12254: 2021
1061.	Polyvinylchloride (PVC)	Abrasion Resistance	CI 5.11.5 of IS 12254: 2021

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119 of 248



# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
	Industrial Boots		
1062.	Polyvinylchloride (PVC) Industrial Boots	Sole Hardness	CI 5.11.6 of IS 12254: 2021
1063.	Polyvinylchloride (PVC) Industrial Boots	Flexing Resistance	CI 5.11.7 of IS 12254: 202
1064.	Polyvinylchloride (PVC) Industrial Boots	Cold Flex Resistance	CI 5.11.8 of IS 12254: 2021
1065.	Polyvinylchloride (PVC) Industrial Boots	Volatility	CI 6.1 of IS 12254: 2021
1066.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Design	CI 6.2 of IS 14544: 2022
1067.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Height of Upper	CI 6.4 of IS 14544: 2022
1068.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Construction	CI 6.5.1 of IS 14544: 2022
1069.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Ergonomic Feature	CI 6.5.2 of IS 14544: 2022
1070.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Outsole Bond Strength	CI 6.5.3 of IS 14544: 2022

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120 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

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Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1071.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Slip Resistance	CI 6.5.4 of IS 14544: 2022
1072.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Impact Resistance	CI 6.5.6 of IS 14544: 2022
1073.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Compression Resistance	CI 6.5.7 of IS 14544: 2022
1074.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Resistance to Corrosion	CI 6.5.7 of IS 14544: 2022
1075.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	General	CI 6.6.1 of IS 14544: 2022
1076.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Material	CI 6.6.2 of IS 14544: 2022
1077.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Tear Strength	CI 6.6.3 of IS 14544: 2022
1078.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Tensile Strength	CI 6.6.4 of IS 14544: 2022

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121 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1079.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Water Vapour Permeability and Coefficient	CI 6.6.5 of IS 14544: 2022
1080.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Material	CI 6.7.1 of IS 14544: 2022
1081.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Tear Strength	CI 6.7.2 of IS 14544: 2022
1082.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Abrasion Resistance	CI 6.7.3 of IS 14544: 2022
1083.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Water Vapour Permeability and Coefficient	CI 6.7.4 of IS 14544: 2022
1084.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Toe Cap	CI 6.8 of IS 14544: 2022
1085.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Material	CI 6.9.1 of IS 14544: 2022
1086.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Thickness	CI 6.9.2 of IS 14544: 2022

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122 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,

Gurugram-122052, Haryana, India

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Valid from: 07 March 2025

Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1087.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Abrasion Resistance	CI 6.9.3 of IS 14544: 2022
1088.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Water Absorption and Desorption	CI 6.9.4 of IS 14544: 2022
1089.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Material	CI 6.10.1 of IS 14544: 2022
1090.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Abrasion Resistance	CI 6.10.2 of IS 14544: 2022
1091.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Water Absorption and Desorption	CI 6.10.3 of IS 14544: 2022
1092.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Stiffener	CI 6.11 of IS 14544: 2022
1093.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Tongue	CI 6.12 of IS 14544: 2022
1094.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Closing Thread	CI 6.13 of IS 14544: 2022

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123 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1095.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Material	CI 6.14.1 of IS 14544: 2022
1096.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Thickness	CI 6.14.2 of IS 14544: 2022
1097.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Cleated Area	CI 6.14.3 of IS 14544: 2022
1098.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Cleat Height	CI 6.14.4 of IS 14544: 2022
1099.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Tear Strength	CI 6.14.5 of IS 14544: 2022
1100.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Abrasion Resistance	CI 6.14.6 of IS 14544: 2022
1101.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Flexing Resistance	CI 6.14.7 of IS 14544: 2022
1102.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Interlayer Bond Strength	CI 6.14.8 of IS 14544: 2022

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124 of 248



# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1103.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Material	CI 6.15.1 of IS 14544: 2022
1104.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Colour Fastness	CI 6.15.2 of IS 14544: 2022
1105.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Abrasion Resistance	CI 6.15.3.1 of IS 14544: 2022
1106.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Lace to lace	CI 6.15.3.2 of IS 14544: 2022
1107.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Breaking Load	CI 6.15.4 of IS 14544: 2022
1108.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Antistatic Footwear	CI 8.1 of IS 14544: 2022
1109.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Conductive Footwear	CI 8.2 of IS 14544: 2022
1110.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Cold insulation of Sole	CI 8.3 of IS 14544: 2022

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[www.qai.org.in](http://www.qai.org.in)



125 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,

Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1111.	Leather Safety and Protective Footwear with Direct Moulded Polymeric Sole	Heat insulation of Sole	CI 8.4 of IS 14544: 2022
1112.	Canvas Shoes, Rubber Sole	Breaking Load- Upper	CI 4.1.1 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Table 1, Sr. No- 1 & 2
1113.	Canvas Shoes, Rubber Sole	WIDTH- Binding Material	CI 4.1.2 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Table 2, Sr. No- 1
1114.	Canvas Shoes, Rubber Sole	Breaking Load- Binding Material	CI 4.1.2 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Table 2, Sr. No- 2
1115.	Canvas Shoes, Rubber Sole	Breaking Load- Thread	CI 4.1.3.1 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Table 2, Sr. No- 2
1116.	Canvas Shoes, Rubber Sole	Eyelets	CI 4.1.4 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024),
1117.	Canvas Shoes, Rubber Sole	Length- Lace	CI 4.1.5 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024),
1118.	Canvas Shoes, Rubber Sole	Breaking Length- Lace	CI 4.1.5 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024),
1119.	Canvas Shoes, Rubber Sole	Relative density	CI 4.1.6 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Sr, no-1 of Table -4 (Ref. 3400-9:1978)

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126 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1120.	Canvas Shoes, Rubber Sole	Hardness	CI 4.1.6 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Sr,no-2 of Table -4(Ref. 3400-2:1980)
1121.	Canvas Shoes, Rubber Sole	Flexing resistance	CI 4.1.6 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Sr,no-3 of Table -4(Ref. 3400-16:1974)
1122.	Canvas Shoes, Rubber Sole	Change in initial hardness after accelerated ageing for 24 h at 100 ± 1°C	CI 4.1.6 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Sr,no-4 of Table -4(Ref. 3400-4:1987 & 3400-2:1980)
1123.	Canvas Shoes, Rubber Sole	Tensile strength	CI 4.1.6 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Sr,no-5 of Table -4(Ref. 3400-1:1987)
1124.	Canvas Shoes, Rubber Sole	Elongation at break	CI 4.1.6 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Sr,no-6 of Table -4(Ref. 3400-1:1987)
1125.	Canvas Shoes, Rubber Sole	Tensile & Elongation at break after Ageing Test	CI 4.1.6.2 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Table-5
1126.	Canvas Shoes, Rubber Sole	Thickness of component	CI 4.1.6.3 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Table-6
1127.	Canvas Shoes, Rubber Sole	Shape and Design	CI 4.2 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Ref. of IS 1638: 1969

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[www.qai.org.in](http://www.qai.org.in)



127 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1128.	Canvas Shoes, Rubber Sole	Construction	CI 4.3 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Ref. of IS 1638: 1969
1129.	Canvas Shoes, Rubber Sole	Adhesion Test	CI 4.4 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Ref. of IS 1638: 1969
1130.	Canvas Shoes, Rubber Sole	Consolidation Test	CI 4.5 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Ref. of IS 1638: 1969
1131.	Canvas Shoes, Rubber Sole	Mass	CI 4.6 of IS 3735: 1996 (A1:1999, A2: 2001, A3:2003, A4: 2024), Ref. of IS 1638: 1969
1132.	Safety Rubber Canvas Boots For Miners	Density- Compact Insole/ Insock	CI 3.1 of IS 3976:2018 (A1: 2021, A2:2024)
1133.	Safety Rubber Canvas Boots For Miners	Density- Compact Outsole	CI 3.2 of IS 3976:2018 (A1: 2021, A2:2024)
1134.	Safety Rubber Canvas Boots For Miners	Lining	CI 3.3 of IS 3976:2018 (A1: 2021, A2:2024)
1135.	Safety Rubber Canvas Boots For Miners	Quarter Lining	CI 3.4 of IS 3976:2018 (A1: 2021, A2:2024)
1136.	Safety Rubber Canvas Boots For Miners	Impact Resistance- Safety Footwear	CI 3.5 of IS 3976:2018 (A1: 2021, A2:2024)
1137.	Safety Rubber Canvas Boots For Miners	Compression Resistance- Safety Footwear	CI 3.5 of IS 3976:2018 (A1: 2021, A2:2024)

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[www.qai.org.in](http://www.qai.org.in)



128 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1138.	Safety Rubber Canvas Boots For Miners	Impact Resistance- Toe Cap	CI 3.6 of IS 3976:2018 (A1: 2021, A2:2024)
1139.	Safety Rubber Canvas Boots For Miners	Compression Resistance- Toe Cap	CI 3.6 of IS 3976:2018 (A1: 2021, A2:2024)
1140.	Safety Rubber Canvas Boots For Miners	Vamp Lining	CI 3.7 of IS 3976:2018 (A1: 2021, A2:2024)
1141.	Safety Rubber Canvas Boots For Miners	Design	CI 5.1 of IS 3976:2018 (A1: 2021, A2:2024)
1142.	Safety Rubber Canvas Boots For Miners	Fitting	CI 5.1.1 of IS 3976:2018 (A1: 2021, A2:2024)
1143.	Safety Rubber Canvas Boots For Miners	Upper Material	CI 5.2.1 of IS 3976:2018 (A1: 2021, A2:2024)
1144.	SAFETY RUBBER CANVAS BOOTS FOR Minersv	Consolidation Test	CI 5.2.1.1 & 5.10 of IS 3976:2018 (A1: 2021, A2:2024)
1145.	Safety Rubber Canvas Boots For Miners	Tear Strength	CI 5.2.1.2 of IS 3976:2018 (A1: 2021, A2:2024)
1146.	Safety Rubber Canvas Boots For Miners	Flexing Resistance	CI 5.2.1.3 of IS 3976:2018 (A1: 2021, A2:2024)
1147.	Safety Rubber Canvas Boots For Miners	Water vapour Permeability & coefficient	CI 5.2.1.4 of IS 3976:2018 (A1: 2021, A2:2024)
1148.	Safety Rubber Canvas Boots For Miners	Abrasion Resistance	CI 5.2.1.5 of IS 3976:2018 (A1: 2021, A2:2024)
1149.	Safety Rubber Canvas Boots For Miners	Tear Strength	CI 5.2.2 of IS 3976:2018 (A1: 2021, A2:2024)

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[www.qai.org.in](http://www.qai.org.in)



129 of 248



# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

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Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1150.	Safety Rubber Canvas Boots For Miners	Abrasion Resistance	CI 5.2.2.1 of IS 3976:2018 (A1: 2021, A2:2024)
1151.	Safety Rubber Canvas Boots For Miners	Width	CI 5.2.3 of IS 3976:2018 (A1: 2021, A2:2024)
1152.	Safety Rubber Canvas Boots For Miners	Breaking Load	CI 5.2.3 of IS 3976:2018 (A1: 2021, A2:2024)
1153.	Safety Rubber Canvas Boots For Miners	Reinforcing Material	CI 5.2.4 of IS 3976:2018 (A1: 2021, A2:2024)
1154.	Safety Rubber Canvas Boots For Miners	Hardness- Compact Sole Heel	CI 5.2.5.2 of IS 3976:2018 (A1: 2021, A2:2024)
1155.	Safety Rubber Canvas Boots For Miners	Hardness after Ageing- Compact Sole Heels	CI 5.2.5.2 of IS 3976:2018 (A1: 2021, A2:2024)
1156.	Safety Rubber Canvas Boots For Miners	Ageing Test	CI 5.2.5.3 of IS 3976:2018 (A1: 2021, A2:2024)
1157.	Safety Rubber Canvas Boots For Miners	Thickness of Compact Sole	CI 5.2.5.4 of IS 3976:2018 (A1: 2021, A2:2024)
1158.	Safety Rubber Canvas Boots For Miners	Visual- Safety toe Cap	CI 5.2.7 of IS 3976:2018 (A1: 2021, A2:2024)
1159.	Safety Rubber Canvas Boots For Miners	Length- Lace	CI 5.2.8.1 of IS 3976:2018 (A1: 2021, A2:2024)
1160.	Safety Rubber Canvas Boots For Miners	Breaking Load- Lace	CI 5.2.8.1 of IS 3976:2018 (A1: 2021, A2:2024)
1161.	Safety Rubber Canvas Boots For Miners	Thickness of Eyelet	CI 5.2.9 of IS 3976:2018 (A1: 2021, A2:2024)

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[www.qai.org.in](http://www.qai.org.in)



130 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1162.	Safety Rubber Canvas Boots For Miners	Thickness- Counter Stiffener	CI 5.2.10 of IS 3976:2018 (A1: 2021, A2:2024)
1163.	Safety Rubber Canvas Boots For Miners	Construction	CI 5.3 of IS 3976:2018 (A1: 2021, A2:2024)
1164.	Safety Rubber Canvas Boots For Miners	Finish	CI 5.4 of IS 3976:2018 (A1: 2021, A2:2024)
1165.	Safety Rubber Canvas Boots For Miners	Mass	CI 5.5 of IS 3976:2018 (A1: 2021, A2:2024)
1166.	Safety Rubber Canvas Boots For Miners	Height of Upper	CI 5.6 of IS 3976:2018 (A1: 2021, A2:2024)
1167.	Safety Rubber Canvas Boots For Miners	Performance Test	CI 5.7 of IS 3976:2018 (A1: 2021, A2:2024)
1168.	Safety Rubber Canvas Boots For Miners	Upper/ Outsole Bons Strength	CI 5.8 of IS 3976:2018 (A1: 2021, A2:2024)
1169.	Safety Rubber Canvas Boots For Miners	Interlayer Bond Strength	CI 5.9 of IS 3976:2018 (A1: 2021, A2:2024)
1170.	Safety Rubber Canvas Boots For Miners	Consolidation Test	CI 5.10 of IS 3976:2018 (A1: 2021, A2:2024)
1171.	Safety Rubber Canvas Boots For Miners	Compression Test	CI 5.11 of IS 3976:2018 (A1: 2021, A2:2024)
1172.	Safety Rubber Canvas Boots For Miners	Internal Length of Toe Cap	CI 5.12 of IS 3976:2018 (A1: 2021, A2:2024)
1173.	Safety Rubber Canvas Boots For Miners	Energy Absorption Test	CI 5.13 of IS 3976:2018 (A1: 2021, A2:2024)

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[www.qai.org.in](http://www.qai.org.in)



131 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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Valid from: 07 March 2025

Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1174.	Safety Rubber Canvas Boots For Miners	Abrasion Resistance of Compact outsole	CI 6.1 of IS 3976:2018 (A1: 2021, A2:2024)
1175.	Safety Rubber Canvas Boots For Miners	Flexing Resistance of Compact outsole	CI 6.2 of IS 3976:2018 (A1: 2021, A2:2024)
1176.	Safety Rubber Canvas Boots For Miners	Tear Strength of Compact outsole	CI 6.3 of IS 3976:2018 (A1: 2021, A2:2024)
1177.	Safety Rubber Canvas Boots For Miners	Resistance to Hot contact	CI 6.4 of IS 3976:2018 (A1: 2021, A2:2024)
1178.	Safety Rubber Canvas Boots For Miners	Hydrolysis	CI 6.5 of IS 3976:2018 (A1: 2021, A2:2024)
1179.	Safety Rubber Canvas Boots For Miners	Resistance to Electricity	CI 7.2 of IS 3976:2018 (A1: 2021, A2:2024)
1180.	High Ankle Tactical Boots with PU — Rubber Sole	Design	CI 4.2 of IS 17012: 2018
1181.	High Ankle Tactical Boots with PU — Rubber Sole	Weight	CI 4.3.2 of IS 17012: 2018
1182.	High Ankle Tactical Boots with PU — Rubber Sole	Height of Upper	CI 4.4 of IS 17012: 2018
1183.	High Ankle Tactical Boots with PU — Rubber Sole	Construction	CI 4.5.1 of IS 17012: 2018
1184.	High Ankle Tactical Boots with PU — Rubber Sole	Ergonomic Feature	CI 4.5.2 of IS 17012: 2018
1185.	High Ankle Tactical Boots with PU — Rubber Sole	Bond Strength	CI 4.5.3 of IS 17012: 2018

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132 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1186.	High Ankle Tactical Boots with PU — Rubber Sole	Upper- Outsole Bond Strength	CI 4.5.3.1 of IS 17012: 2018
1187.	High Ankle Tactical Boots with PU — Rubber Sole	Interlayer Bond Strength	CI 4.5.3.2 of IS 17012: 2018
1188.	High Ankle Tactical Boots with PU — Rubber Sole	Slip resistance	CI 4.5.4 of IS 17012: 2018
1189.	High Ankle Tactical Boots with PU — Rubber Sole	Electrical Resistance	CI 4.5.5 of IS 17012: 2018
1190.	High Ankle Tactical Boots with PU — Rubber Sole	Heat Insulation of Sole Complex	CI 4.5.6 of IS 17012: 2018
1191.	High Ankle Tactical Boots with PU — Rubber Sole	Cold Insulation of Sole Complex	CI 4.5.7 of IS 17012: 2018
1192.	High Ankle Tactical Boots with PU — Rubber Sole	Energy Absorption of Seat Region	CI 4.5.8 of IS 17012: 2018
1193.	High Ankle Tactical Boots with PU — Rubber Sole	Material	CI 4.6.1 of IS 17012: 2018
1194.	High Ankle Tactical Boots with PU — Rubber Sole	Tear Strength	CI 4.6.2 of IS 17012: 2018
1195.	High Ankle Tactical Boots with PU — Rubber Sole	Water vapour and Permeability	CI 4.6.3 of IS 17012: 2018
1196.	High Ankle Tactical Boots with PU — Rubber Sole	Water Penetration and Absorption	CI 4.6.4 of IS 17012: 2018
1197.	High Ankle Tactical Boots with PU — Rubber Sole	Visual- Vamp and Quarter Lining	CI 4.7.1 of IS 17012: 2018

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[www.qai.org.in](http://www.qai.org.in)



133 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1198.	High Ankle Tactical Boots with PU — Rubber Sole	Counter and Tongue Lining	CI 4.7.2 of IS 17012: 2018(Ref. IS 3840:2011)
1199.	High Ankle Tactical Boots with PU — Rubber Sole	Tear Strength	CI 4.7.3 of IS 17012: 2018
1200.	High Ankle Tactical Boots with PU — Rubber Sole	Abrasion resistance	CI 4.7.4 of IS 17012: 2018
1201.	High Ankle Tactical Boots with PU — Rubber Sole	Water Vapour Permeability and Coefficient	CI 4.7.5 of IS 17012: 2018
1202.	High Ankle Tactical Boots with PU — Rubber Sole	Thickness- Toe puff counter Stiffener	CI 4.8 of IS 17012: 2018(Ref. IS 3840:2011)
1203.	High Ankle Tactical Boots with PU — Rubber Sole	Thickness – Insole	CI 4.9.1 of IS 17012: 2018
1204.	High Ankle Tactical Boots with PU — Rubber Sole	Abrasion Resistance- insole	CI 4.9.2 of IS 17012: 2018
1205.	High Ankle Tactical Boots with PU — Rubber Sole	Water Absorption and Desorption- Insole	CI 4.9.3 of IS 17012: 2018
1206.	High Ankle Tactical Boots with PU — Rubber Sole	Thickness- Insock	CI 4.10 of IS 17012: 2018
1207.	High Ankle Tactical Boots with PU — Rubber Sole	Visual- Material	CI 4.10.1 of IS 17012: 2018
1208.	High Ankle Tactical Boots with PU — Rubber Sole	Abrasion Resistance	CI 4.10.2 of IS 17012: 2018
1209.	High Ankle Tactical Boots with PU — Rubber Sole	Water Absorption and Desorption	CI 4.10.3 of IS 17012: 2018

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[www.qai.org.in](http://www.qai.org.in)



134 of 248



# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

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Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1210.	High Ankle Tactical Boots with PU — Rubber Sole	Thickness and density- Collar	CI 4.11.1 of IS 17012: 2018
1211.	High Ankle Tactical Boots with PU — Rubber Sole	Tear Strength	CI 4.11.2 of IS 17012: 2018
1212.	High Ankle Tactical Boots with PU — Rubber Sole	Thickness- Tongue	CI 4.12.1 of IS 17012: 2018
1213.	High Ankle Tactical Boots with PU — Rubber Sole	GSM Test	CI 4.12.1 of IS 17012: 2018
1214.	High Ankle Tactical Boots with PU — Rubber Sole	Tear Strength	CI 4.12.2 of IS 17012: 2018
1215.	High Ankle Tactical Boots with PU — Rubber Sole	Breaking Load- Thread	CI 4.13 of IS 17012: 2018 (IS 4910-3:2023)
1216.	High Ankle Tactical Boots with PU — Rubber Sole	Material- Outsole	CI 4.14.1 of IS 17012: 2018
1217.	High Ankle Tactical Boots with PU — Rubber Sole	Thickness- Outsole	CI 4.14.2 of IS 17012: 2018
1218.	High Ankle Tactical Boots with PU — Rubber Sole	Density	CI 4.14.3 of IS 17012: 2018 (Ref. Annex A of IS 6664:1992)
1219.	High Ankle Tactical Boots with PU — Rubber Sole	Tear Strength	CI 4.14.4 of IS 17012: 2018
1220.	High Ankle Tactical Boots with PU — Rubber Sole	Abrasion Resistance	CI 4.14.5 of IS 17012: 2018
1221.	High Ankle Tactical Boots with PU — Rubber Sole	Hardness (shore A)- Outsole	CI 4.14.6 of IS 17012: 2018(Ref. IS13360-5/ Sec11)

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[www.qai.org.in](http://www.qai.org.in)



135 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1222.	High Ankle Tactical Boots with PU — Rubber Sole	Hardness (IRHD )- Outsole	CI 4.14.6 of IS 17012: 2018(Ref. IS3400-2)
1223.	High Ankle Tactical Boots with PU — Rubber Sole	Ageing Test	CI 4.14.7 of IS 17012: 2018
1224.	High Ankle Tactical Boots with PU — Rubber Sole	Flexing resistance	CI 4.14.8 of IS 17012: 2018
1225.	High Ankle Tactical Boots with PU — Rubber Sole	Resistance to Hot Contact	CI 4.14.9 of IS 17012: 2018
1226.	High Ankle Tactical Boots with PU — Rubber Sole	Visual Test- D-Rings and Hook	CI 4.15 of IS 17012: 2018
1227.	High Ankle Tactical Boots with PU — Rubber Sole	Material- lace	CI 4.16.1 of IS 17012: 2018
1228.	High Ankle Tactical Boots with PU — Rubber Sole	Length- Lace	CI 4.16.1 of IS 17012: 2018
1229.	High Ankle Tactical Boots with PU — Rubber Sole	Breaking Load	CI 4.16.2 of IS 17012: 2018(Ref. IS 1969-1 & 2: 2018)
1230.	High Ankle Tactical Boots with PU — Rubber Sole	Tag Retention	CI 4.16.2 of IS 17012: 2018(Ref. IS Annex H of IS 15844-1)
1231.	Footwear for Men and Women for Municipal Scavenging Work	Design	CI 5.0 of IS 16994: 2018
1232.	Footwear for Men and Women for Municipal Scavenging Work	Fitting	CI 6.0 of IS 16994: 2018

This is annexure to 'Certificate of Accreditation' and does not require any signature.

[www.qai.org.in](http://www.qai.org.in)



136 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1233.	Footwear for Men and Women for Municipal Scavenging Work	Impact Resistance	CI 7.1 of IS 16994: 2018
1234.	Footwear for Men and Women for Municipal Scavenging Work	Compression Resistance	CI 7.1 of IS 16994: 2018
1235.	Footwear for Men and Women for Municipal Scavenging Work	Upper	CI 7.3.1 of IS 16994: 2018
1236.	Footwear for Men and Women for Municipal Scavenging Work	Flexing Resistance	CI 7.3.2 of IS 16994: 2018
1237.	Footwear for Men and Women for Municipal Scavenging Work	Lining Requirement	CI 7.4 of IS 16994: 2018
1238.	Footwear for Men and Women for Municipal Scavenging Work	Insole/ Insock	CI 7.5 of IS 16994: 2018
1239.	Footwear for Men and Women for Municipal Scavenging Work	Counter Stiffener	CI 7.6 of IS 16994: 2018
1240.	Footwear for Men and Women for Municipal Scavenging Work	Density- Outsole	CI 7.7 of IS 16994: 2018

This is annexure to 'Certificate of Accreditation' and does not require any signature.

[www.qai.org.in](http://www.qai.org.in)



137 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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Valid from: 07 March 2025

Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1241.	Footwear for Men and Women for Municipal Scavenging Work	Tear Strength of Outsole	CI 7.7.1 of IS 16994: 2018
1242.	Footwear for Men and Women for Municipal Scavenging Work	Abrasion Resistance of Outsole	CI 7.7.2 of IS 16994: 2018
1243.	Footwear for Men and Women for Municipal Scavenging Work	Flexing resistance of outsole	CI 7.7.3 of IS 16994: 2018
1244.	Footwear for Men and Women for Municipal Scavenging Work	Interlayer Bond Strength	CI 7.7.4 of IS 16994: 2018
1245.	Footwear for Men and Women for Municipal Scavenging Work	Upper-Outsole Bond Strength	CI 7.7.5 of IS 16994: 2018
1246.	Footwear for Men and Women for Municipal Scavenging Work	Material- Insock	CI 7.8 of IS 16994: 2018
1247.	Footwear for Men and Women for Municipal Scavenging Work	Hydrolysis Test	CI 7.9 of IS 16994: 2018
1248.	Footwear for Men and Women for Municipal Scavenging Work	Ageing Test	CI 7.10 of IS 16994: 2018

This is annexure to 'Certificate of Accreditation' and does not require any signature.

[www.qai.org.in](http://www.qai.org.in)



138 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1249.	Footwear for Men and Women for Municipal Scavenging Work	Construction	CI 8.0 of IS 16994: 2018
1250.	Footwear for Men and Women for Municipal Scavenging Work	Height of Upper	CI 8.1 of IS 16994: 2018
1251.	Footwear for Men and Women for Municipal Scavenging Work	Internal Length of Toe Cap	CI 8.2 of IS 16994: 2018
1252.	Footwear for Men and Women for Municipal Scavenging Work	Impact Resistance	CI 8.3 of IS 16994: 2018
1253.	Footwear for Men and Women for Municipal Scavenging Work	Compression resistance	CI 8.3 of IS 16994: 2018
1254.	Footwear for Men and Women for Municipal Scavenging Work	Volatility Test	CI 8.4 of IS 16994: 2018
1255.	Footwear for Men and Women for Municipal Scavenging Work	Restriction of Color	CI 8.5 of IS 16994: 2018
1256.	Footwear for Men and Women for Municipal Scavenging Work	Leak proofness Test	CI 8.6s of IS 16994: 2018

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139 of 248



# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



## Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1257.	Personal protective equipment — Test methods for footwear	Specific Ergonomic Features	CI 5.1 of BS EN ISO 20344: 2021/ CI 5.1 of BS EN ISO 20344: 2021+A1:2024
1258.	Personal protective equipment — Test methods for footwear	Specific Ergonomic Features	CI 5.1 of ISO 20344: 2021/ CI 5.1 of ISO 20344: 2021+A1+2024
1259.	Personal protective equipment — Test methods for footwear	Determination of upper/outsole and sole interlayer bond strength	CI 5.2 of BS EN ISO 20344: 2021/ CI 5.2 of BS EN ISO 20344: 2021+A1:2024
1260.	Personal protective equipment — Test methods for footwear	Determination of upper/outsole and sole interlayer bond strength	CI 5.2 of ISO 20344: 2021/ CI 5.2 of ISO 20344: 2021+A1+2024
1261.	Personal protective equipment — Test methods for footwear	Determination of dimensions of toecap	CI 5.3 of BS EN ISO 20344: 2021/ CI 5.3 of BS EN ISO 20344: 2021+A1:2024
1262.	Personal protective equipment — Test methods for footwear	Determination of dimensions of toecap	CI 5.3 of ISO 20344: 2021/ CI 5.3 of ISO 20344: 2021+A1+2024
1263.	Personal protective equipment — Test methods for footwear	Determination of impact resistance	CI 5.4 of BS EN ISO 20344: 2021/ CI 5.4 of BS EN ISO 20344: 2021+A1:2024
1264.	Personal protective equipment — Test methods for footwear	Determination of impact resistance	CI 5.4 of ISO 20344: 2021/ CI 5.4 of ISO 20344: 2021+A1+2024

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140 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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## Scope of Accreditation

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1265.	Personal protective equipment — Test methods for footwear	Determination of Compression resistance	CI 5.5 of BS EN ISO 20344: 2021/ CI 5.5 of BS EN ISO 20344: 2021+A1:2024
1266.	Personal protective equipment — Test methods for footwear	Determination of Compression resistance	CI 5.5 of ISO 20344: 2021/ CI 5.5 of ISO 20344: 2021+A1+2024
1267.	Personal protective equipment — Test methods for footwear	Behaviour of toecaps (thermal and chemical)	CI 5.6 of BS EN ISO 20344: 2021/ CI 5.6 of BS EN ISO 20344: 2021+A1:2024
1268.	Personal protective equipment — Test methods for footwear	Behaviour of toecaps (thermal and chemical)	CI 5.6 of ISO 20344: 2021/ CI 5.6 of ISO 20344: 2021+A1+2024
1269.	Personal protective equipment — Test methods for footwear	Determination of leak proofness	CI 5.7 of BS EN ISO 20344: 2021/ CI 5.7 of BS EN ISO 20344: 2021+A1:2024
1270.	Personal protective equipment — Test methods for footwear	Determination of leak proofness	CI 5.7 of ISO 20344: 2021/ CI 5.7 of ISO 20344: 2021+A1+2024
1271.	Personal protective equipment — Test methods for footwear	Dimensions of perforation resistant inserts	CI 5.8 of BS EN ISO 20344: 2021/ CI 5.8 of BS EN ISO 20344: 2021+A1:2024
1272.	Personal protective equipment — Test methods for footwear	Dimensions of perforation resistant inserts	CI 5.8 of ISO 20344: 2021/ CI 5.8 of ISO 20344: 2021+A1+2024

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141 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



## Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1273.	Personal protective equipment — Test methods for footwear	Determination of the perforation resistance of footwear with a metallic perforation resistant insert	CI 5.9 of BS EN ISO 20344: 2021/ CI 5.9 of BS EN ISO 20344: 2021+A1:2024
1274.	Personal protective equipment — Test methods for footwear	Determination of the perforation resistance of footwear with a metallic perforation resistant insert	CI 5.9 of ISO 20344: 2021/ CI 5.9 of ISO 20344: 2021+A1+2024
1275.	Personal protective equipment — Test methods for footwear	Determination of the perforation resistance of footwear with a non-metallic perforation resistant insert	CI 5.10 of BS EN ISO 20344: 2021/ CI 5.10 of BS EN ISO 20344: 2021+A1:2024
1276.	Personal protective equipment — Test methods for footwear	Determination of the perforation resistance of footwear with a non-metallic perforation resistant insert	CI 5.10 of ISO 20344: 2021/ CI 5.10 of ISO 20344: 2021+A1+2024
1277.	Personal protective equipment — Test methods for footwear	Behaviour of perforation resistant inserts (thermal and chemical)	CI 5.11 of BS EN ISO 20344: 2021/ CI 5.11 of BS EN ISO 20344: 2021+A1:2024
1278.	Personal protective equipment — Test methods for footwear	Behaviour of perforation resistant inserts (thermal and chemical)	CI 5.11 of ISO 20344: 2021/ CI 5.11 of ISO 20344: 2021+A1+2024

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[www.qai.org.in](http://www.qai.org.in)



142 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



## Scope of Accreditation

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QAI/CIA/TL/2025/0107

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Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1279.	Personal protective equipment — Test methods for footwear	Determination of the flex resistance of perforation-resistant inserts	CI 5.12 of BS EN ISO 20344: 2021/ CI 5.12 of BS EN ISO 20344: 2021+A1:2024
1280.	Personal protective equipment — Test methods for footwear	Determination of the flex resistance of perforation-resistant inserts	CI 5.12 of ISO 20344: 2021/ CI 5.12 of ISO 20344: 2021+A1+2024
1281.	Personal protective equipment — Test methods for footwear	Determination of electrical resistance	CI 5.13 of BS EN ISO 20344: 2021/ CI 5.13 of BS EN ISO 20344: 2021+A1:2024
1282.	Personal protective equipment — Test methods for footwear	Determination of electrical resistance	CI 5.13 of ISO 20344: 2021/ CI 5.13 of ISO 20344: 2021+A1+2024
1283.	Personal protective equipment — Test methods for footwear	Determination of footwear slip resistance	CI 5.14 of BS EN ISO 20344: 2021/ CI 5.14 of BS EN ISO 20344: 2021+A1:2024
1284.	Personal protective equipment — Test methods for footwear	Determination of footwear slip resistance	CI 5.14 of ISO 20344: 2021/ CI 5.14 of ISO 20344: 2021+A1+2024
1285.	Personal protective equipment — Test methods for footwear	Determination of insulation against heat	CI 5.15 of BS EN ISO 20344: 2021/ CI 5.15 of BS EN ISO 20344: 2021+A1:2024
1286.	Personal protective equipment — Test methods for footwear	Determination of insulation against heat	CI 5.15 of ISO 20344: 2021/ CI 5.15 of ISO 20344: 2021+A1+2024

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[www.qai.org.in](http://www.qai.org.in)



143 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

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Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1287.	Personal protective equipment — Test methods for footwear	Determination of insulation against Cold	CI 5.16 of BS EN ISO 20344: 2021/ CI 5.16 of BS EN ISO 20344: 2021+A1:2024
1288.	Personal protective equipment — Test methods for footwear	Determination of insulation against Cold	CI 5.16 of ISO 20344: 2021/ CI 5.16 of ISO 20344: 2021+A1+2024
1289.	Personal protective equipment — Test methods for footwear	Determination of energy absorption of the seat region	CI 5.17 of BS EN ISO 20344: 2021/ CI 5.17 of BS EN ISO 20344: 2021+A1:2024
1290.	Personal protective equipment — Test methods for footwear	Determination of energy absorption of the seat region	CI 5.17 of ISO 20344: 2021/ CI 5.17 of ISO 20344: 2021+A1+2024
1291.	Personal protective equipment — Test methods for footwear	Determination of resistance to water for whole footwear: trough test	CI 5.18 of BS EN ISO 20344: 2021/ CI 5.18 of BS EN ISO 20344: 2021+A1:2024
1292.	Personal protective equipment — Test methods for footwear	Determination of resistance to water for whole footwear: trough test	CI 5.18 of ISO 20344: 2021/ CI 5.18 of ISO 20344: 2021+A1+2024
1293.	Personal protective equipment — Test methods for footwear	Determination of resistance to water for whole footwear: dynamic test	CI 5.19 of BS EN ISO 20344: 2021/ CI 5.19 of BS EN ISO 20344: 2021+A1:2024
1294.	Personal protective equipment — Test methods for footwear	Determination of resistance to water for whole footwear: dynamic test	CI 5.19 of ISO 20344: 2021/ CI 5.19 of ISO 20344: 2021+A1+2024

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144 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1295.	Personal protective equipment — Test methods for footwear	Determination of impact resistance of a metatarsal protection	CI 5.20 of BS EN ISO 20344: 2021/ CI 5.20 of BS EN ISO 20344: 2021+A1:2024
1296.	Personal protective equipment — Test methods for footwear	Determination of impact resistance of a metatarsal protection	CI 5.20 of ISO 20344: 2021/ CI 5.20 of ISO 20344: 2021+A1+2024
1297.	Personal protective equipment — Test methods for footwear	Determination of the dimension of the ankle protection	CI 5.21 of BS EN ISO 20344: 2021/ CI 5.21 of BS EN ISO 20344: 2021+A1:2024
1298.	Personal protective equipment — Test methods for footwear	Determination of the dimension of the ankle protection	CI 5.21 of ISO 20344: 2021/ CI 5.21 of ISO 20344: 2021+A1+2024
1299.	Personal protective equipment — Test methods for footwear	Determination of the shock absorption capacity of ankle protection materials incorporated into the upper	CI 5.22 of BS EN ISO 20344: 2021/ CI 5.22 of BS EN ISO 20344: 2021+A1:2024
1300.	Personal protective equipment — Test methods for footwear	Determination of the shock absorption capacity of ankle protection materials incorporated into the upper	CI 5.22 of ISO 20344: 2021/ CI 5.22 of ISO 20344: 2021+A1+2024
1301.	Personal protective equipment — Test methods for footwear	Determination of cutting resistance	CI 5.23 of BS EN ISO 20344: 2021/ CI 5.23 of BS EN ISO 20344: 2021+A1:2024

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145 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

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Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1302.	Personal protective equipment — Test methods for footwear	Determination of cutting resistance	CI 5.23 of ISO 20344: 2021/ CI 5.23 of ISO 20344: 2021+A1+2024
1303.	Personal protective equipment — Test methods for footwear	Scuff caps	CI 5.24 of BS EN ISO 20344: 2021/ CI 5.24 of BS EN ISO 20344: 2021+A1:2024
1304.	Personal protective equipment — Test methods for footwear	Scuff caps	CI 5.24 of ISO 20344: 2021/ CI 5.24 of ISO 20344: 2021+A1+2024
1305.	Personal protective equipment — Test methods for footwear	Determination of seam strength	CI 5.25 of BS EN ISO 20344: 2021/ CI 5.25 of BS EN ISO 20344: 2021+A1:2024
1306.	Personal protective equipment — Test methods for footwear	Determination of seam strength	CI 5.25 of ISO 20344: 2021/ CI 5.25 of ISO 20344: 2021+A1+2024
1307.	Personal protective equipment — Test methods for footwear	Determination of thickness of upper	CI 6.1 of BS EN ISO 20344: 2021/ CI 6.1 of BS EN ISO 20344: 2021+A1:2024
1308.	Personal protective equipment — Test methods for footwear	Determination of thickness of upper	CI 6.1 of ISO 20344: 2021/ CI 6.1 of ISO 20344: 2021+A1+2024
1309.	Personal protective equipment — Test methods for footwear	Measurement of the height of the upper	CI 6.2 of BS EN ISO 20344: 2021/ CI 6.2 of BS EN ISO 20344: 2021+A1:2024

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146 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1310.	Personal protective equipment — Test methods for footwear	Measurement of the height of the upper	CI 6.2 of ISO 20344: 2021/ CI 6.2 of ISO 20344: 2021+A1+2024
1311.	Personal protective equipment — Test methods for footwear	Determination of tear strength of the upper, lining and/or tongue	CI 6.3 of BS EN ISO 20344: 2021/ CI 6.3 of BS EN ISO 20344: 2021+A1:2024
1312.	Personal protective equipment — Test methods for footwear	Determination of tear strength of the upper, lining and/or tongue	CI 6.3 of ISO 20344: 2021/ CI 6.3 of ISO 20344: 2021+A1+2024
1313.	Personal protective equipment — Test methods for footwear	Determination of the tensile properties of the upper material	CI 6.4 of BS EN ISO 20344: 2021/ CI 6.4 of BS EN ISO 20344: 2021+A1:2024
1314.	Personal protective equipment — Test methods for footwear	Determination of the tensile properties of the upper material	CI 6.4 of ISO 20344: 2021/ CI 6.4 of ISO 20344: 2021+A1+2024
1315.	Personal protective equipment — Test methods for footwear	Determination of upper flexing resistance	CI 6.5 of BS EN ISO 20344: 2021/ CI 6.5 of BS EN ISO 20344: 2021+A1:2024
1316.	Personal protective equipment — Test methods for footwear	Determination of upper flexing resistance	CI 6.5 of ISO 20344: 2021/ CI 6.5 of ISO 20344: 2021+A1+2024
1317.	Personal protective equipment — Test methods for footwear	Determination of water vapour permeability (WVP)	CI 6.6 of BS EN ISO 20344: 2021/ CI 6.6 of BS EN ISO 20344: 2021+A1:2024

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147 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



## Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1318.	Personal protective equipment — Test methods for footwear	Determination of water vapour permeability (WVP)	CI 6.6 of ISO 20344: 2021/ CI 6.6 of ISO 20344: 2021+A1+2024
1319.	Personal protective equipment — Test methods for footwear	Determination of water vapour absorption (WVA)	CI 6.7 of BS EN ISO 20344: 2021/ CI 6.7 of BS EN ISO 20344: 2021+A1:2024
1320.	Personal protective equipment — Test methods for footwear	Determination of water vapour absorption (WVA)	CI 6.7 of ISO 20344: 2021/ CI 6.7 of ISO 20344: 2021+A1+2024
1321.	Personal protective equipment — Test methods for footwear	Determination of water vapour coefficient (WVC)	CI 6.8 of BS EN ISO 20344: 2021/ CI 6.8 of BS EN ISO 20344: 2021+A1:2024
1322.	Personal protective equipment — Test methods for footwear	Determination of water vapour coefficient (WVC)	CI 6.8 of ISO 20344: 2021/ CI 6.8 of ISO 20344: 2021+A1+2024
1323.	Personal protective equipment — Test methods for footwear	Determination of resistance to hydrolysis of upper	CI 6.10 of BS EN ISO 20344: 2021/ CI 6.10 of BS EN ISO 20344: 2021+A1:2024
1324.	Personal protective equipment — Test methods for footwear	Determination of resistance to hydrolysis of upper	CI 6.10 of ISO 20344: 2021/ CI 6.10 of ISO 20344: 2021+A1+2024
1325.	Personal protective equipment — Test methods for footwear	Determination of abrasion resistance of lining and insock	CI 6.12 of BS EN ISO 20344: 2021/ CI 6.12 of BS EN ISO 20344: 2021+A1:2024

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[www.qai.org.in](http://www.qai.org.in)



148 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1326.	Personal protective equipment — Test methods for footwear	Determination of abrasion resistance of lining and insock	CI 6.12 of ISO 20344: 2021/ CI 6.12 of ISO 20344: 2021+A1+2024
1327.	Personal protective equipment — Test methods for footwear	Determination of water penetration and water absorption for upper	CI 6.13 of BS EN ISO 20344: 2021/ CI 6.13 of BS EN ISO 20344: 2021+A1:2024
1328.	Personal protective equipment — Test methods for footwear	Determination of water penetration and water absorption for upper	CI 6.13 of ISO 20344: 2021/ CI 6.13 of ISO 20344: 2021+A1+2024
1329.	Personal protective equipment — Test methods for footwear	Determination of insole, insock and footbed thickness	CI 7.1 of BS EN ISO 20344: 2021/ CI 7.1 of BS EN ISO 20344: 2021+A1:2024
1330.	Personal protective equipment — Test methods for footwear	Determination of insole, insock and footbed thickness	CI 7.1 of ISO 20344: 2021/ CI 7.1 of ISO 20344: 2021+A1+2024
1331.	Personal protective equipment — Test methods for footwear	Determination of water absorption and desorption of insole and/or insock	CI 7.2 of BS EN ISO 20344: 2021/ CI 7.2 of BS EN ISO 20344: 2021+A1:2024
1332.	Personal protective equipment — Test methods for footwear	Determination of water absorption and desorption of insole and/or insock	CI 7.2 of ISO 20344: 2021/ CI 7.2 of ISO 20344: 2021+A1+2024
1333.	Personal protective equipment — Test methods for footwear	Determination of abrasion resistance of insole	CI 7.3 of BS EN ISO 20344: 2021/ CI 7.3 of BS EN ISO 20344: 2021+A1:2024

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[www.qai.org.in](http://www.qai.org.in)



149 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1334.	Personal protective equipment — Test methods for footwear	Determination of abrasion resistance of insole	CI 7.3 of ISO 20344: 2021/ CI 7.3 of ISO 20344: 2021+A1+2024
1335.	Personal protective equipment — Test methods for footwear	Determination of outsole dimensions	CI 8.2 of BS EN ISO 20344: 2021/ CI 8.2 of BS EN ISO 20344: 2021+A1:2024
1336.	Personal protective equipment — Test methods for footwear	Determination of outsole dimensions	CI 8.2 of ISO 20344: 2021/ CI 8.2 of ISO 20344: 2021+A1+2024
1337.	Personal protective equipment — Test methods for footwear	Determination of the cleated area	CI 8.2.2 of BS EN ISO 20344: 2021/ CI 8.2.2 of BS EN ISO 20344: 2021+A1:2024
1338.	Personal protective equipment — Test methods for footwear	Determination of the cleated area	CI 8.2.2 of ISO 20344: 2021/ CI 8.2.2 of ISO 20344: 2021+A1+2024
1339.	Personal protective equipment — Test methods for footwear	Outsole thickness and cleat height	CI 8.2.3 of BS EN ISO 20344: 2021/ CI 8.2.3 of BS EN ISO 20344: 2021+A1:2024
1340.	Personal protective equipment — Test methods for footwear	Outsole thickness and cleat height	CI 8.2.3 of ISO 20344: 2021/ CI 8.2.3 of ISO 20344: 2021+A1+2024
1341.	Personal protective equipment — Test methods for footwear	Determination of cleat design in the waist area	CI 8.2.4 of BS EN ISO 20344: 2021/ CI 8.2.4 of BS EN ISO 20344: 2021+A1:2024

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[www.qai.org.in](http://www.qai.org.in)



150 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



## Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Valid until: 06 March 2027

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1342.	Personal protective equipment — Test methods for footwear	Determination of cleat design in the waist area	CI 8.2.4 of ISO 20344: 2021/ CI 8.2.4 of ISO 20344: 2021+A1+2024
1343.	Personal protective equipment — Test methods for footwear	Determination of tear strength of outsole	CI 8.3 of BS EN ISO 20344: 2021/ CI 8.3 of BS EN ISO 20344: 2021+A1:2024
1344.	Personal protective equipment — Test methods for footwear	Determination of tear strength of outsole	CI 8.3 of ISO 20344: 2021/ CI 8.3 of ISO 20344: 2021+A1+2024
1345.	Personal protective equipment — Test methods for footwear	Determination of outsole abrasion resistance	CI 8.4 of BS EN ISO 20344: 2021/ CI 8.4 of BS EN ISO 20344: 2021+A1:2024
1346.	Personal protective equipment — Test methods for footwear	Determination of outsole abrasion resistance	CI 8.4 of ISO 20344: 2021/ CI 8.4 of ISO 20344: 2021+A1+2024
1347.	Personal protective equipment — Test methods for footwear	Determination of footwear rigidity	CI 8.5 of BS EN ISO 20344: 2021/ CI 8.5 of BS EN ISO 20344: 2021+A1:2024
1348.	Personal protective equipment — Test methods for footwear	Determination of footwear rigidity	CI 8.5 of ISO 20344: 2021/ CI 8.5 of ISO 20344: 2021+A1+2024
1349.	Personal protective equipment — Test methods for footwear	Determination of flexing resistance of outsole	CI 8.6 of BS EN ISO 20344: 2021/ CI 8.6 of BS EN ISO 20344: 2021+A1:2024

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[www.qai.org.in](http://www.qai.org.in)



151 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1350.	Personal protective equipment — Test methods for footwear	Determination of flexing resistance of outsole	Cl 8.6 of ISO 20344: 2021/ Cl 8.6 of ISO 20344: 2021+A1+2024
1351.	Personal protective equipment — Test methods for footwear	Determination of resistance to hydrolysis of outsole	Cl 8.7 of BS EN ISO 20344: 2021/ Cl 8.7 of BS EN ISO 20344: 2021+A1:2024
1352.	Personal protective equipment — Test methods for footwear	Determination of resistance to hydrolysis of outsole	Cl 8.7 of ISO 20344: 2021/ Cl 8.7 of ISO 20344: 2021+A1+2024
1353.	Personal protective equipment — Test methods for footwear	Determination of resistance to hot contact	Cl 8.9 of BS EN ISO 20344: 2021/ Cl 8.9 of BS EN ISO 20344: 2021+A1:2024
1354.	Personal protective equipment — Test methods for footwear	Determination of resistance to hot contact	Cl 8.9 of ISO 20344: 2021/ Cl 8.9 of ISO 20344: 2021+A1+2024
1355.	Personal protective equipment - Safety footwear	General	Cl. 5.1 of BS EN ISO 20345:2022/ Cl. 5.1 of BS EN ISO 20345:2022+ A1:2024
1356.	Personal protective equipment - Safety footwear	General	Cl. 5.1 of ISO 20345:2022/ Cl. 5.1 of ISO 20345:2022+ A1:2024
1357.	Personal protective equipment - Safety footwear	Height of Upper	Cl. 5.2.2 of BS EN ISO 20345:2022/ Cl. 5.2.2 of BS EN ISO 20345:2022+ A1:2024
1358.	Personal protective equipment - Safety footwear	Height of Upper	Cl. 5.2.2 of ISO 20345:2022/ Cl. 5.2.2 of ISO 20345:2022+ A1:2024

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152 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1359.	Personal protective equipment - Safety footwear	Heel Area	Cl. 5.2.2 of BS EN ISO 20345:2022/ Cl. 5.2.2 of BS EN ISO 20345:2022+ A1:2024
1360.	Personal protective equipment - Safety footwear	Heel Area	Cl. 5.2.2 of ISO 20345:2022/ Cl. 5.2.2 of ISO 20345:2022+ A1:2024
1361.	Personal protective equipment - Safety footwear	Construction	Cl. 5.3.1.1 of BS EN ISO 20345:2022/ Cl. 5.3.1.1 of BS EN ISO 20345:2022+ A1:2024
1362.	Personal protective equipment - Safety footwear	Construction	Cl. 5.3.1.1 of ISO 20345:2022/ Cl. 5.3.1.1 of ISO 20345:2022+ A1:2024
1363.	Personal protective equipment - Safety footwear	Upper/outsole bond strength	Cl. 5.3.1.2 of BS EN ISO 20345:2022/ Cl. 5.3.1.2 of BS EN ISO 20345:2022+ A1:2024
1364.	Personal protective equipment - Safety footwear	Upper/outsole bond strength	Cl. 5.3.2.1 of ISO 20345:2022/ Cl. 5.3.2.1 of ISO 20345:2022+ A1:2024
1365.	Personal protective equipment - Safety footwear	General- Toe Protection	Cl. 5.3.2.1 of BS EN ISO 20345:2022/ Cl. 5.3.2.1 of BS EN ISO 20345:2022+ A1:2024
1366.	Personal protective equipment - Safety footwear	General- Toe Protection	Cl. 5.3.2.1 of ISO 20345:2022/ Cl. 5.3.2.1 of ISO 20345:2022+ A1:2024
1367.	Personal protective equipment - Safety footwear	Internal Length	Cl. 5.3.2.2 of BS EN ISO 20345:2022/ Cl. 5.3.2.2 of BS EN ISO 20345:2022+ A1:2024

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153 of 248

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1368.	Personal protective equipment - Safety footwear	Internal Length	Cl. 5.3.2.2 of ISO 20345:2022/ Cl. 5.3.2.2 of ISO 20345:2022+ A1:2024
1369.	Personal protective equipment - Safety footwear	Width of Toe Cap Flange	Cl. 5.3.2.3 of BS EN ISO 20345:2022/ Cl. 5.3.2.3 of BS EN ISO 20345:2022+ A1:2024
1370.	Personal protective equipment - Safety footwear	Width of Toe Cap Flange	Cl. 5.3.2.3 of ISO 20345:2022/ Cl. 5.3.2.3 of ISO 20345:2022+ A1:2024
1371.	Personal protective equipment - Safety footwear	Corrosion resistance	Cl. 5.3.2.4 of BS EN ISO 20345:2022/ Cl. 5.3.2.4 of BS EN ISO 20345:2022+ A1:2024
1372.	Personal protective equipment - Safety footwear	Corrosion resistance	Cl. 5.3.2.4 of ISO 20345:2022/ Cl. 5.3.2.4 of ISO 20345:2022+ A1:2024
1373.	Personal protective equipment - Safety footwear	Behaviour of toecaps (thermal and chemical)	Cl. 5.3.2.5 of BS EN ISO 20345:2022/ Cl. 5.3.2.5 of BS EN ISO 20345:2022+ A1:2024
1374.	Personal protective equipment - Safety footwear	Behaviour of toecaps (thermal and chemical)	Cl. 5.3.2.5 of ISO 20345:2022/ Cl. 5.3.2.5 of ISO 20345:2022+ A1:2024
1375.	Personal protective equipment - Safety footwear	Impact resistance	Cl. 5.3.2.6 of BS EN ISO 20345:2022/ Cl. 5.3.2.6 of BS EN ISO 20345:2022+ A1:2024
1376.	Personal protective equipment - Safety footwear	Impact resistance	Cl. 5.3.2.6 of ISO 20345:2022/ Cl. 5.3.2.6 of ISO 20345:2022+ A1:2024

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[www.qai.org.in](http://www.qai.org.in)



154 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1377.	Personal protective equipment - Safety footwear	Compression Resistance	Cl. 5.3.2.7 of BS EN ISO 20345:2022/ Cl. 5.3.2.7 of BS EN ISO 20345:2022+ A1:2024
1378.	Personal protective equipment - Safety footwear	Compression Resistance	Cl. 5.3.2.7 of ISO 20345:2022/ Cl. 5.3.2.7 of ISO 20345:2022+ A1:2024
1379.	Personal protective equipment - Safety footwear	Leak proofness	Cl. 5.3.3 of BS EN ISO 20345:2022/ Cl. 5.3.3 of BS EN ISO 20345:2022+ A1:2024
1380.	Personal protective equipment - Safety footwear	Leak proofness	Cl. 5.3.3 of ISO 20345:2022/ Cl. 5.3.3 of ISO 20345:2022+ A1:2024
1381.	Personal protective equipment - Safety footwear	Specific ergonomic features	Cl. 5.3.4 of BS EN ISO 20345:2022/ Cl. 5.3.4 of BS EN ISO 20345:2022+ A1:2024
1382.	Personal protective equipment - Safety footwear	Specific ergonomic features	Cl. 5.3.4 of ISO 20345:2022/ Cl. 5.3.4 of ISO 20345:2022+ A1:2024
1383.	Personal protective equipment - Safety footwear	Slip Resistance	Cl. 5.3.5(Sub Cl 5.3.5.2) of BS EN ISO 20345:2022/ Cl. 5.3.6(Sub Cl 5.3.5.2) of BS EN ISO 20345:2022+ A1:2024
1384.	Personal protective equipment - Safety footwear	Slip Resistance	Cl. 5.3.5 (Sub Cl 5.3.5.2) of ISO 20345:2022/ Cl. 5.3.5 (Sub Cl 5.3.5.2) of ISO 20345:2022+ A1:2024
1385.	Personal protective equipment - Safety footwear	Seam strength	Cl. 5.3.7 of BS EN ISO 20345:2022/ Cl. 5.3.7 of BS EN ISO 20345:2022+ A1:2024

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[www.qai.org.in](http://www.qai.org.in)



155 of 248

# Quality And Accreditation Institute

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1386.	Personal protective equipment - Safety footwear	Seam strength	Cl. 5.3.7 of ISO 20345:2022/ Cl. 5.3.7 of ISO 20345:2022+ A1:2024
1387.	Personal protective equipment - Safety footwear	General	Cl. 5.4.1 of BS EN ISO 20345:2022/ Cl. 5.4.1 of BS EN ISO 20345:2022+ A1:2024
1388.	Personal protective equipment - Safety footwear	General	Cl. 5.4.1 of ISO 20345:2022/ Cl. 5.4.1 of ISO 20345:2022+ A1:2024
1389.	Personal protective equipment - Safety footwear	Thickness of Upper	Cl. 5.4.2 of BS EN ISO 20345:2022/ Cl. 5.4.2 of BS EN ISO 20345:2022+ A1:2024
1390.	Personal protective equipment - Safety footwear	Thickness of Upper	Cl. 5.4.2 of ISO 20345:2022/ Cl. 5.4.2 of ISO 20345:2022+ A1:2024
1391.	Personal protective equipment - Safety footwear	Tear Strength of Upper	Cl. 5.4.3 of BS EN ISO 20345:2022/ Cl. 5.4.3 of BS EN ISO 20345:2022+ A1:2024
1392.	Personal protective equipment - Safety footwear	Tear Strength of Upper	Cl. 5.4.3 of ISO 20345:2022/ Cl. 5.4.3 of ISO 20345:2022+ A1:2024
1393.	Personal protective equipment - Safety footwear	Tensile Strength of Upper	Cl. 5.4.4 of BS EN ISO 20345:2022/ Cl. 5.4.4 of BS EN ISO 20345:2022+ A1:2024
1394.	Personal protective equipment - Safety footwear	Tensile Strength of Upper	Cl. 5.4.4 of ISO 20345:2022/ Cl. 5.4.4 of ISO 20345:2022+ A1:2024

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156 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1395.	Personal protective equipment - Safety footwear	Flexing resistance of Upper	Cl. 5.4.5 of BS EN ISO 20345:2022/ Cl. 5.4.5 of BS EN ISO 20345:2022+ A1:2024
1396.	Personal protective equipment - Safety footwear	Flexing resistance of Upper	Cl. 5.4.5 of ISO 20345:2022/ Cl. 5.4.5 of ISO 20345:2022+ A1:2024
1397.	Personal protective equipment - Safety footwear	Water vapour permeability and coefficient	Cl. 5.4.6 of BS EN ISO 20345:2022/ Cl. 5.4.6 of BS EN ISO 20345:2022+ A1:2024
1398.	Personal protective equipment - Safety footwear	Water vapour permeability and coefficient	Cl. 5.4.6 of ISO 20345:2022/ Cl. 5.4.6 of ISO 20345:2022+ A1:2024
1399.	Personal protective equipment - Safety footwear	Resistance to hydrolysis	Cl. 5.4.7 of BS EN ISO 20345:2022/ Cl. 5.4.7 of BS EN ISO 20345:2022+ A1:2024
1400.	Personal protective equipment - Safety footwear	Resistance to hydrolysis	Cl. 5.4.7 of ISO 20345:2022/ Cl. 5.4.7 of ISO 20345:2022+ A1:2024
1401.	Personal protective equipment - Safety footwear	General	Cl. 5.5.1 of BS EN ISO 20345:2022/ Cl. 5.5.1 of BS EN ISO 20345:2022+ A1:2024
1402.	Personal protective equipment - Safety footwear	General	Cl. 5.5.1 of ISO 20345:2022/ Cl. 5.5.1 of ISO 20345:2022+ A1:2024
1403.	Personal protective equipment - Safety footwear	Tear Strength	Cl. 5.5.2 of BS EN ISO 20345:2022/ Cl. 5.5.2 of BS EN ISO 20345:2022+ A1:2024

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157 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



## Scope of Accreditation

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1404.	Personal protective equipment - Safety footwear	Tear Strength	Cl. 5.5.2 of ISO 20345:2022/ Cl. 5.5.2 of ISO 20345:2022+ A1:2024
1405.	Personal protective equipment - Safety footwear	Abrasion resistance	Cl. 5.5.3 of BS EN ISO 20345:2022/ Cl. 5.5.3 of BS EN ISO 20345:2022+ A1:2024
1406.	Personal protective equipment - Safety footwear	Abrasion resistance	Cl. 5.5.3 of ISO 20345:2022/ Cl. 5.5.3 of ISO 20345:2022+ A1:2024
1407.	Personal protective equipment - Safety footwear	Water vapour permeability and coefficient	Cl. 5.5.4 of BS EN ISO 20345:2022/ Cl. 5.5.4 of BS EN ISO 20345:2022+ A1:2024
1408.	Personal protective equipment - Safety footwear	Water vapour permeability and coefficient	Cl. 5.5.4 of ISO 20345:2022/ Cl. 5.5.4 of ISO 20345:2022+ A1:2024
1409.	Personal protective equipment - Safety footwear	General	Cl. 5.6.1 of BS EN ISO 20345:2022/ Cl. 5.6.1 of BS EN ISO 20345:2022+ A1:2024
1410.	Personal protective equipment - Safety footwear	General	Cl. 5.6.1 of ISO 20345:2022/ Cl. 5.6.1 of ISO 20345:2022+ A1:2024
1411.	Personal protective equipment - Safety footwear	Tear strength	Cl. 5.6.2 of BS EN ISO 20345:2022/ Cl. 5.6.2 of BS EN ISO 20345:2022+ A1:2024
1412.	Personal protective equipment - Safety footwear	Tear strength	Cl. 5.6.2 of ISO 20345:2022/ Cl. 5.6.2 of ISO 20345:2022+ A1:2024

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158 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,

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Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1413.	Personal protective equipment - Safety footwear	Thickness of Insole/ Insock & Footbed	Cl. 5.7.1 of BS EN ISO 20345:2022/ Cl. 5.7.1 of BS EN ISO 20345:2022+ A1:2024
1414.	Personal protective equipment - Safety footwear	Thickness of Insole/ Insock & Footbed	Cl. 5.7.1 of ISO 20345:2022/ Cl. 5.7.1 of ISO 20345:2022+ A1:2024
1415.	Personal protective equipment - Safety footwear	Water permeability	Cl. 5.7.2 of BS EN ISO 20345:2022/ Cl. 5.7.2 of BS EN ISO 20345:2022+ A1:2024
1416.	Personal protective equipment - Safety footwear	Water permeability	Cl. 5.7.2 of ISO 20345:2022/ Cl. 5.7.2 of ISO 20345:2022+ A1:2024
1417.	Personal protective equipment - Safety footwear	Water absorption and desorption	Cl. 5.7.3 of BS EN ISO 20345:2022/ Cl. 5.7.3 of BS EN ISO 20345:2022+ A1:2024
1418.	Personal protective equipment - Safety footwear	Water absorption and desorption	Cl. 5.7.3 of ISO 20345:2022/ Cl. 5.7.3 of ISO 20345:2022+ A1:2024
1419.	Personal protective equipment - Safety footwear	Abrasion resistance- Insole	Cl. 5.7.4(Sub Cl. 5.7.4.1) of BS EN ISO 20345:2022/ Cl. 5.7.4 (Sub Cl. 5.7.4.1) of BS EN ISO 20345:2022+ A1:2024
1420.	Personal protective equipment - Safety footwear	Abrasion resistance- Insole	Cl. 5.7.4 (Sub Cl. 5.7.4.1) of ISO 20345:2022/ Cl. 5.7.4 (Sub Cl. 5.7.4.1) of ISO 20345:2022+ A1:2024
1421.	Personal protective equipment - Safety footwear	Abrasion resistance- Insock	Cl. 5.7.4(Sub Cl. 5.7.4.2) of BS EN ISO 20345:2022/ Cl. 5.7.4 (Sub Cl. 5.7.4.2) of BS EN ISO 20345:2022+ A1:2024

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[www.qai.org.in](http://www.qai.org.in)



159 of 248



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1422.	Personal protective equipment - Safety footwear	Abrasion resistance- Insock	Cl. 5.7.4 (Sub Cl. 5.7.4.2) of ISO 20345:2022/ Cl. 5.7.4 (Sub Cl. 5.7.4.2) of ISO 20345:2022+ A1:2024
1423.	Personal protective equipment - Safety footwear	General	Cl. 5.8.1 of BS EN ISO 20345:2022/ Cl. 5.8.1 of BS EN ISO 20345:2022+ A1:2024
1424.	Personal protective equipment - Safety footwear	General	Cl. 5.8.1 of ISO 20345:2022/ Cl. 5.8.1 of ISO 20345:2022+ A1:2024
1425.	Personal protective equipment - Safety footwear	Thickness	Cl. 5.8.2.1 of BS EN ISO 20345:2022/ Cl. 5.8.2.1 of BS EN ISO 20345:2022+ A1:2024
1426.	Personal protective equipment - Safety footwear	Thickness	Cl. 5.8.2.1 of ISO 20345:2022/ Cl. 5.8.2.1 of ISO 20345:2022+ A1:2024
1427.	Personal protective equipment - Safety footwear	Cleated Area	Cl. 5.8.2.2 of BS EN ISO 20345:2022/ Cl. 5.8.2.2 of BS EN ISO 20345:2022+ A1:2024
1428.	Personal protective equipment - Safety footwear	Cleated Area	Cl. 5.8.2.2 of ISO 20345:2022/ Cl. 5.8.2.2 of ISO 20345:2022+ A1:2024
1429.	Personal protective equipment - Safety footwear	Cleat Height	Cl. 5.8.2.3 of BS EN ISO 20345:2022/ Cl. 5.8.2.3 of BS EN ISO 20345:2022+ A1:2024
1430.	Personal protective equipment - Safety footwear	Cleat Height	Cl. 5.8.2.3 of ISO 20345:2022/ Cl. 5.8.2.3 of ISO 20345:2022+ A1:2024

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[www.qai.org.in](http://www.qai.org.in)



160 of 248

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## Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1431.	Personal protective equipment - Safety footwear	Tear strength	Cl. 5.8.3 of BS EN ISO 20345:2022/ Cl. 5.8.3 of BS EN ISO 20345:2022+ A1:2024
1432.	Personal protective equipment - Safety footwear	Tear strength	Cl. 5.8.3 of ISO 20345:2022/ Cl. 5.8.3 of ISO 20345:2022+ A1:2024
1433.	Personal protective equipment - Safety footwear	Abrasion resistance	Cl. 5.8.4 of BS EN ISO 20345:2022/ Cl. 5.8.4 of BS EN ISO 20345:2022+ A1:2024
1434.	Personal protective equipment - Safety footwear	Abrasion resistance	Cl. 5.8.4 of ISO 20345:2022/ Cl. 5.8.4 of ISO 20345:2022+ A1:2024
1435.	Personal protective equipment - Safety footwear	Flexing resistance	Cl. 5.8.5 of BS EN ISO 20345:2022/ Cl. 5.8.5 of BS EN ISO 20345:2022+ A1:2024
1436.	Personal protective equipment - Safety footwear	Flexing resistance	Cl. 5.8.5 of ISO 20345:2022/ Cl. 5.8.5 of ISO 20345:2022+ A1:2024
1437.	Personal protective equipment - Safety footwear	Resistance to hydrolysis	Cl. 5.8.6 of BS EN ISO 20345:2022/ Cl. 5.8.6 of BS EN ISO 20345:2022+ A1:2024
1438.	Personal protective equipment - Safety footwear	Resistance to hydrolysis	Cl. 5.8.6 of ISO 20345:2022/ Cl. 5.8.6 of ISO 20345:2022+ A1:2024
1439.	Personal protective equipment - Safety footwear	Interlayer bond strength	Cl. 5.8.7 of BS EN ISO 20345:2022/ Cl. 5.8.7 of BS EN ISO 20345:2022+ A1:2024

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[www.qai.org.in](http://www.qai.org.in)



161 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1440.	Personal protective equipment - Safety footwear	Interlayer bond strength	Cl. 5.8.7 of ISO 20345:2022/ Cl. 5.8.7 of ISO 20345:2022+ A1:2024
1441.	Personal protective equipment - Safety footwear	Metallic perforation-resistant inserts (Type P)	Cl. 6.2.1.1.2 of BS EN ISO 20345:2022/ Cl. 6.2.1.1.2 of BS EN ISO 20345:2022+ A1:2024
1442.	Personal protective equipment - Safety footwear	Metallic perforation-resistant inserts (Type P)	Cl. 6.2.1.1.2 of ISO 20345:2022/ Cl. 6.2.1.1.2 of ISO 20345:2022+ A1:2024
1443.	Personal protective equipment - Safety footwear	Non-metallic perforation-resistant inserts and insoles (Type PL)	Cl. 6.2.1.1.3 of BS EN ISO 20345:2022/ Cl. 6.2.1.1.3 of BS EN ISO 20345:2022+ A1:2024
1444.	Personal protective equipment - Safety footwear	Non-metallic perforation-resistant inserts and insoles (Type PL)	Cl. 6.2.1.1.3 of ISO 20345:2022/ Cl. 6.2.1.1.3 of ISO 20345:2022+ A1:2024
1445.	Personal protective equipment - Safety footwear	Non-metallic perforation-resistant inserts and insoles (Type PS)	Cl. 6.2.1.1.4 of BS EN ISO 20345:2022/ Cl. 6.2.1.1.4 of BS EN ISO 20345:2022+ A1:2024
1446.	Personal protective equipment - Safety footwear	Non-metallic perforation-resistant inserts and insoles (Type PS)	Cl. 6.2.1.1.4 of ISO 20345:2022/ Cl. 6.2.1.1.4 of ISO 20345:2022+ A1:2024
1447.	Personal protective equipment - Safety footwear	Construction	Cl. 6.2.1.2 of BS EN ISO 20345:2022/ Cl. 6.2.1.2 of BS EN ISO 20345:2022+ A1:2024
1448.	Personal protective equipment - Safety footwear	Construction	Cl. 6.2.1.2 of ISO 20345:2022/ Cl. 6.2.1.2 of ISO 20345:2022+ A1:2024

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162 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1449.	Personal protective equipment - Safety footwear	Dimensions	Cl. 6.2.1.3 of BS EN ISO 20345:2022/ Cl. 6.2.1.3 of BS EN ISO 20345:2022+ A1:2024
1450.	Personal protective equipment - Safety footwear	Dimensions	Cl. 6.2.1.3 of ISO 20345:2022/ Cl. 6.2.1.3 of ISO 20345:2022+ A1:2024
1451.	Personal protective equipment - Safety footwear	Flex resistance of perforation-resistant inserts	Cl. 6.2.1.4.1 of BS EN ISO 20345:2022/ Cl. 6.2.1.4.1 of BS EN ISO 20345:2022+ A1:2024
1452.	Personal protective equipment - Safety footwear	Flex resistance of perforation-resistant inserts	Cl. 6.2.1.4.1 of ISO 20345:2022/ Cl. 6.2.1.4.1 of ISO 20345:2022+ A1:2024
1453.	Personal protective equipment - Safety footwear	Corrosion resistance of perforation-resistant metallic inserts	Cl. 6.2.1.4.2 of BS EN ISO 20345:2022/ Cl. 6.2.1.4.2 of BS EN ISO 20345:2022+ A1:2024
1454.	Personal protective equipment - Safety footwear	Corrosion resistance of perforation-resistant metallic inserts	Cl. 6.2.1.4.2 of ISO 20345:2022/ Cl. 6.2.1.4.2 of ISO 20345:2022+ A1:2024
1455.	Personal protective equipment - Safety footwear	Stability against ageing and environmental influence of non-metallic perforation resistant inserts	Cl. 6.2.1.4.3 of BS EN ISO 20345:2022/ Cl. 6.2.1.4.3 of BS EN ISO 20345:2022+ A1:2024
1456.	Personal protective equipment - Safety footwear	Stability against ageing and environmental influence of non-metallic perforation resistant inserts	Cl. 6.2.1.4.3 of ISO 20345:2022/ Cl. 6.2.1.4.3 of ISO 20345:2022+ A1:2024

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163 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1457.	Personal protective equipment - Safety footwear	Partially conductive footwear	Cl. 6.2.2.1 of BS EN ISO 20345:2022/ Cl. 6.2.2.1 of BS EN ISO 20345:2022+ A1:2024
1458.	Personal protective equipment - Safety footwear	Partially conductive footwear	Cl. 6.2.2.1 of ISO 20345:2022/ Cl. 6.2.2.1 of ISO 20345:2022+ A1:2024
1459.	Personal protective equipment - Safety footwear	Antistatic footwear	Cl. 6.2.2.2 of BS EN ISO 20345:2022/ Cl. 6.2.2.2 of BS EN ISO 20345:2022+ A1:2024
1460.	Personal protective equipment - Safety footwear	Antistatic footwear	Cl. 6.2.2.2 of ISO 20345:2022/ Cl. 6.2.2.2 of ISO 20345:2022+ A1:2024
1461.	Personal protective equipment - Safety footwear	Heat insulation of outsole complex	Cl. 6.2.3.1 of BS EN ISO 20345:2022/ Cl. 6.2.3.1 of BS EN ISO 20345:2022+ A1:2024
1462.	Personal protective equipment - Safety footwear	Heat insulation of outsole complex	Cl. 6.2.3.1 of ISO 20345:2022/ Cl. 6.2.3.1 of ISO 20345:2022+ A1:2024
1463.	Personal protective equipment - Safety footwear	Cold insulation of outsole complex	Cl. 6.2.3.2 of BS EN ISO 20345:2022/ Cl. 6.2.3.2 of BS EN ISO 20345:2022+ A1:2024
1464.	Personal protective equipment - Safety footwear	Cold insulation of outsole complex	Cl. 6.2.3.2 of ISO 20345:2022/ Cl. 6.2.3.2 of ISO 20345:2022+ A1:2024
1465.	Personal protective equipment - Safety footwear	Energy absorption of seat region	Cl. 6.2.4 of BS EN ISO 20345:2022/ Cl. 6.2.4 of BS EN ISO 20345:2022+ A1:2024

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164 of 248



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1466.	Personal protective equipment - Safety footwear	Energy absorption of seat region	Cl. 6.2.4 of ISO 20345:2022/ Cl. 6.2.4 of ISO 20345:2022+ A1:2024
1467.	Personal protective equipment - Safety footwear	Water resistance	Cl. 6.2.5 of BS EN ISO 20345:2022/ Cl. 6.2.5 of BS EN ISO 20345:2022+ A1:2024
1468.	Personal protective equipment - Safety footwear	Water resistance	Cl. 6.2.5 of ISO 20345:2022/ Cl. 6.2.5 of ISO 20345:2022+ A1:2024
1469.	Personal protective equipment - Safety footwear	Construction- Metatarsal protection	Cl. 6.2.6.1 of BS EN ISO 20345:2022/ Cl. 6.2.6.1 of BS EN ISO 20345:2022+ A1:2024
1470.	Personal protective equipment - Safety footwear	Construction- Metatarsal protection	Cl. 6.2.6.1 of ISO 20345:2022/ Cl. 6.2.6.1 of ISO 20345:2022+ A1:2024
1471.	Personal protective equipment - Safety footwear	Impact resistance of metatarsal protective device	Cl. 6.2.6.2 of BS EN ISO 20345:2022/ Cl. 6.2.6.2 of BS EN ISO 20345:2022+ A1:2024
1472.	Personal protective equipment - Safety footwear	Impact resistance of metatarsal protective device	Cl. 6.2.6.2 of ISO 20345:2022/ Cl. 6.2.6.2 of ISO 20345:2022+ A1:2024
1473.	Personal protective equipment - Safety footwear	Ankle protection	Cl. 6.2.7 of BS EN ISO 20345:2022/ Cl. 6.2.7 of BS EN ISO 20345:2022+ A1:2024
1474.	Personal protective equipment - Safety footwear	Ankle protection	Cl. 6.2.7 of ISO 20345:2022/ Cl. 6.2.7 of ISO 20345:2022+ A1:2024

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165 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1475.	Personal protective equipment - Safety footwear	Cut Resistance	Cl. 6.2.8 of BS EN ISO 20345:2022/ Cl. 6.2.8 of BS EN ISO 20345:2022+ A1:2024
1476.	Personal protective equipment - Safety footwear	Cut Resistance	Cl. 6.2.8 of ISO 20345:2022/ Cl. 6.2.8 of ISO 20345:2022+ A1:2024
1477.	Personal protective equipment - Safety footwear	Scuff cap abrasion	Cl. 6.2.9 of BS EN ISO 20345:2022/ Cl. 6.2.9 of BS EN ISO 20345:2022+ A1:2024
1478.	Personal protective equipment - Safety footwear	Scuff cap abrasion	Cl. 6.2.9 of ISO 20345:2022/ Cl. 6.2.9 of ISO 20345:2022+ A1:2024
1479.	Personal protective equipment - Safety footwear	Slip resistance	Cl. 6.2.10 of BS EN ISO 20345:2022/ Cl. 6.2.10 of BS EN ISO 20345:2022+ A1:2024
1480.	Personal protective equipment - Safety footwear	Slip resistance	Cl. 6.2.10 of ISO 20345:2022/ Cl. 6.2.10 of ISO 20345:2022+ A1:2024
1481.	Personal protective equipment - Safety footwear	Upper — Water penetration and absorption	Cl. 6.3 of BS EN ISO 20345:2022/ Cl. 6.3 of BS EN ISO 20345:2022+ A1:2024
1482.	Personal protective equipment - Safety footwear	Upper — Water penetration and absorption	Cl. 6.3 of ISO 20345:2022/ Cl. 6.3 of ISO 20345:2022+ A1:2024
1483.	Personal protective equipment - Safety footwear	Resistance to hot contact	Cl. 6.4.1 of BS EN ISO 20345:2022/ Cl. 6.4.1 of BS EN ISO 20345:2022+ A1:2024
1484.	Personal protective equipment - Safety footwear	Resistance to hot contact	Cl. 6.4.1 of ISO 20345:2022/ Cl. 6.4.1 of ISO 20345:2022+ A1:2024

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166 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1485.	Personal protective equipment - Safety footwear	Ladder grip	Cl. 6.4.3 of BS EN ISO 20345:2022/ Cl. 6.4.3 of BS EN ISO 20345:2022+ A1:2024
1486.	Personal protective equipment - Safety footwear	Ladder grip	Cl. 6.4.3 of ISO 20345:2022/ Cl. 6.4.3 of ISO 20345:2022+ A1:2024
1487.	Personal Protective Equipment- Protective Footwear	General	Cl. 5.1 of BS EN ISO 20346:2022/ Cl. 5.1 of BS EN ISO 20346:2022+ A1:2024
1488.	Personal Protective Equipment- Protective Footwear	General	Cl. 5.1 of ISO 20346:2021/ Cl. 5.1 of ISO 20346:2021+ A1:2024
1489.	Personal Protective Equipment- Protective Footwear	General	Cl. 5.2.1 of BS EN ISO 20346:2022/ Cl. 5.2.1 of BS EN ISO 20346:2022+ A1:2024
1490.	Personal Protective Equipment- Protective Footwear	General	Cl. 5.2.1 of ISO 20346:2021/ Cl. 5.2.1 of ISO 20346:2021+ A1:2024
1491.	Personal Protective Equipment- Protective Footwear	Height of Upper	Cl. 5.2.2 of BS EN ISO 20346:2022/ Cl. 5.2.2 of BS EN ISO 20346:2022+ A1:2024
1492.	Personal Protective Equipment- Protective Footwear	Height of Upper	Cl. 5.2.2 of ISO 20346:2021/ Cl. 5.2.2 of ISO 20346:2021+ A1:2024

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167 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1493.	Personal Protective Equipment- Protective Footwear	Heel Area	Cl. 5.2.3 of BS EN ISO 20346:2022/ Cl. 5.2.3 of BS EN ISO 20346:2022+ A1:2024
1494.	Personal Protective Equipment- Protective Footwear	Heel Area	Cl. 5.2.3 of ISO 20346:2021/ Cl. 5.2.3 of ISO 20346:2021+ A1:2024
1495.	Personal Protective Equipment- Protective Footwear	Construction	Cl. 5.3.1.1 of BS EN ISO 20346:2022/ Cl. 5.3.1.1 of BS EN ISO 20346:2022+ A1:2024
1496.	Personal Protective Equipment- Protective Footwear	Construction	Cl. 5.3.1.1 of ISO 20346:2021/ Cl. 5.3.1.1 of ISO 20346:2021+ A1:2024
1497.	Personal Protective Equipment- Protective Footwear	Upper/ Outsole Bond Strength	Cl. 5.3.1.2 of BS EN ISO 20346:2022/ Cl. 5.3.1.2 of BS EN ISO 20346:2022+ A1:2024
1498.	Personal Protective Equipment- Protective Footwear	Upper/ Outsole Bond Strength	Cl. 5.3.1.2 of ISO 20346:2021/ Cl. 5.3.1.2 of ISO 20346:2021+ A1:2024
1499.	Personal Protective Equipment- Protective Footwear	General- Toe Protection	Cl. 5.3.2.1 of BS EN ISO 20346:2022/ Cl. 5.3.2.1 of BS EN ISO 20346:2022+ A1:2024
1500.	Personal Protective Equipment- Protective Footwear	General- Toe Protection	Cl. 5.3.2.1 of ISO 20346:2021/ Cl. 5.3.2.1 of ISO 20346:2021+ A1:2024

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[www.qai.org.in](http://www.qai.org.in)



168 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1501.	Personal Protective Equipment- Protective Footwear	Internal Length of toe Cap	Cl. 5.3.2.2 of BS EN ISO 20346:2022/ Cl. 5.3.2.2 of BS EN ISO 20346:2022+ A1:2024
1502.	Personal Protective Equipment- Protective Footwear	Internal Length of toe Cap	Cl. 5.3.2.2 of ISO 20346:2021/ Cl. 5.3.2.2 of ISO 20346:2021+ A1:2024
1503.	Personal Protective Equipment- Protective Footwear	Width of Toe Cap Flange	Cl. 5.3.2.3 of BS EN ISO 20346:2022/ Cl. 5.3.2.3 of BS EN ISO 20346:2022+ A1:2024
1504.	Personal Protective Equipment- Protective Footwear	Width of Toe Cap Flange	Cl. 5.3.2.3 of ISO 20346:2021/ Cl. 5.3.2.3 of ISO 20346:2021+ A1:2024
1505.	Personal Protective Equipment- Protective Footwear	Corrosion Resistance	Cl. 5.3.2.4 of BS EN ISO 20346:2022/ Cl. 5.3.2.4 of BS EN ISO 20346:2022+ A1:2024
1506.	Personal Protective Equipment- Protective Footwear	Corrosion Resistance	Cl. 5.3.2.4 of ISO 20346:2021/ Cl. 5.3.2.4 of ISO 20346:2021+ A1:2024
1507.	Personal Protective Equipment- Protective Footwear	Behaviour of Toe Caps(Thermal & Chemical)	Cl. 5.3.2.5 of BS EN ISO 20346:2022/ Cl. 5.3.2.5 of BS EN ISO 20346:2022+ A1:2024
1508.	Personal Protective Equipment- Protective Footwear	Behaviour of Toe Caps(Thermal & Chemical)	Cl. 5.3.2.5 of ISO 20346:2021/ Cl. 5.3.2.5 of ISO 20346:2021+ A1:2024

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[www.qai.org.in](http://www.qai.org.in)



169 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

**METS Laboratories India Private Limited**

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1509.	Personal Protective Equipment- Protective Footwear	Impact Resistance	Cl. 5.3.2.6 of BS EN ISO 20346:2022/ Cl. 5.3.2.6 of BS EN ISO 20346:2022+ A1:2024
1510.	Personal Protective Equipment- Protective Footwear	Impact Resistance	Cl. 5.3.2.6 of ISO 20346:2021/ Cl. 5.3.2.6 of ISO 20346:2021+ A1:2024
1511.	Personal Protective Equipment- Protective Footwear	Compression Resistance	Cl. 5.3.2.7 of BS EN ISO 20346:2022/ Cl. 5.3.2.7 of BS EN ISO 20346:2022+ A1:2024
1512.	Personal Protective Equipment- Protective Footwear	Compression Resistance	Cl. 5.3.2.7 of ISO 20346:2021/ Cl. 5.3.2.7 of ISO 20346:2021+ A1:2024
1513.	Personal Protective Equipment- Protective Footwear	Leak Proofness	Cl. 5.3.3 of BS EN ISO 20346:2022/ Cl. 5.3.3 of BS EN ISO 20346:2022+ A1:2024
1514.	Personal Protective Equipment- Protective Footwear	Leak Proofness	Cl. 5.3.3 of ISO 20346:2021/ Cl. 5.3.3 of ISO 20346:2021+ A1:2024
1515.	Personal Protective Equipment- Protective Footwear	Specific Ergonomic Features	Cl. 5.3.4 of BS EN ISO 20346:2022/ Cl. 5.3.4 of BS EN ISO 20346:2022+ A1:2024
1516.	Personal Protective Equipment- Protective Footwear	Specific Ergonomic Features	Cl. 5.3.4 of ISO 20346:2021/ Cl. 5.3.4 of ISO 20346:2021+ A1:2024

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170 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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## Scope of Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1517.	Personal Protective Equipment- Protective Footwear	Slip Resistance	Cl. 5.3.5 (Sub Cl. 5.3.5.2) of BS EN ISO 20346:2022/ Cl. 5.3.4(Sub Cl. 5.3.5.2) of BS EN ISO 20346:2022+ A1:2024
1518.	Personal Protective Equipment- Protective Footwear	Slip Resistance	Cl. 5.3.5 (Sub Cl. 5.3.5.2) of ISO 20346:2021/ Cl. 5.3.56(Sub Cl. 5.3.5.2) of ISO 20346:2021+ A1:2024
1519.	Personal Protective Equipment- Protective Footwear	Seam Strength	Cl. 5.3.7 of BS EN ISO 20346:2022/ Cl. 5.3.7 of BS EN ISO 20346:2022+ A1:2024
1520.	Personal Protective Equipment- Protective Footwear	Seam Strength	Cl. 5.3.7 of ISO 20346:2021/ Cl. 5.3.7 of ISO 20346:2021+ A1:2024
1521.	Personal Protective Equipment- Protective Footwear	General- upper	Cl. 5.4.1 of BS EN ISO 20346:2022/ Cl. 5.4.1 of BS EN ISO 20346:2022+ A1:2024
1522.	Personal Protective Equipment- Protective Footwear	General- upper	Cl. 5.4.1 of ISO 20346:2021/ Cl. 5.4.1 of ISO 20346:2021+ A1:2024
1523.	Personal Protective Equipment- Protective Footwear	Thickness	Cl. 5.4.2 of BS EN ISO 20346:2022/ Cl. 5.4.2 of BS EN ISO 20346:2022+ A1:2024
1524.	Personal Protective Equipment- Protective Footwear	Thickness	Cl. 5.4.2 of ISO 20346:2021/ Cl. 5.4.2 of ISO 20346:2021+ A1:2024

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171 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1525.	Personal Protective Equipment- Protective Footwear	Tear Strength	Cl. 5.4.3 of BS EN ISO 20346:2022/ Cl. 5.4.3 of BS EN ISO 20346:2022+ A1:2024
1526.	Personal Protective Equipment- Protective Footwear	Tear Strength	Cl. 5.4.3 of ISO 20346:2021/ Cl. 5.4.3 of ISO 20346:2021+ A1:2024
1527.	Personal Protective Equipment- Protective Footwear	Tensile Properties	Cl. 5.4.4 of BS EN ISO 20346:2022/ Cl. 5.4.4 of BS EN ISO 20346:2022+ A1:2024
1528.	Personal Protective Equipment- Protective Footwear	Tensile Properties	Cl. 5.4.4 of ISO 20346:2021/ Cl. 5.4.4 of ISO 20346:2021+ A1:2024
1529.	Personal Protective Equipment- Protective Footwear	Flexing Resistance	Cl. 5.4.5 of BS EN ISO 20346:2022/ Cl. 5.4.5 of BS EN ISO 20346:2022+ A1:2024
1530.	Personal Protective Equipment- Protective Footwear	Flexing Resistance	Cl. 5.4.5 of ISO 20346:2021/ Cl. 5.4.5 of ISO 20346:2021+ A1:2024
1531.	Personal Protective Equipment- Protective Footwear	Water Vapour Permeability & Coefficient	Cl. 5.4.6 of BS EN ISO 20346:2022/ Cl. 5.4.6 of BS EN ISO 20346:2022+ A1:2024
1532.	Personal Protective Equipment- Protective Footwear	Water Vapour Permeability & Coefficient	Cl. 5.4.6 of ISO 20346:2021/ Cl. 5.4.6 of ISO 20346:2021+ A1:2024

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172 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1533.	Personal Protective Equipment- Protective Footwear	Resistance to Hydrolysis	Cl. 5.4.7 of BS EN ISO 20346:2022/ Cl. 5.4.7 of BS EN ISO 20346:2022+ A1:2024
1534.	Personal Protective Equipment- Protective Footwear	Resistance to Hydrolysis	Cl. 5.4.7 of ISO 20346:2021/ Cl. 5.4.7 of ISO 20346:2021+ A1:2024
1535.	Personal Protective Equipment- Protective Footwear	General- Lining	Cl. 5.5.1 of BS EN ISO 20346:2022/ Cl. 5.5.1 of BS EN ISO 20346:2022+ A1:2024
1536.	Personal Protective Equipment- Protective Footwear	General- Lining	Cl. 5.5.1 of ISO 20346:2021/ Cl. 5.5.1 of ISO 20346:2021+ A1:2024
1537.	Personal Protective Equipment- Protective Footwear	Tear Strength	Cl. 5.5.2 of BS EN ISO 20346:2022/ Cl. 5.5.2 of BS EN ISO 20346:2022+ A1:2024
1538.	Personal Protective Equipment- Protective Footwear	Tear Strength	Cl. 5.5.2 of ISO 20346:2021/ Cl. 5.5.2 of ISO 20346:2021+ A1:2024
1539.	Personal Protective Equipment- Protective Footwear	Abrasion Resistance	Cl. 5.5.3 of BS EN ISO 20346:2022/ Cl. 5.5.3 of BS EN ISO 20346:2022+ A1:2024
1540.	Personal Protective Equipment- Protective Footwear	Abrasion Resistance	Cl. 5.5.3 of ISO 20346:2021/ Cl. 5.5.3 of ISO 20346:2021+ A1:2024

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[www.qai.org.in](http://www.qai.org.in)



173 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1541.	Personal Protective Equipment- Protective Footwear	Water Vapour Permeability & Coefficient	Cl. 5.5.4 of BS EN ISO 20346:2022/ Cl. 5.5.4 of BS EN ISO 20346:2022+ A1:2024
1542.	Personal Protective Equipment- Protective Footwear	Water Vapour Permeability & Coefficient	Cl. 5.5.4 of ISO 20346:2021/ Cl. 5.5.4 of ISO 20346:2021+ A1:2024
1543.	Personal Protective Equipment- Protective Footwear	Tear Strength	Cl. 5.6.2 of BS EN ISO 20346:2022/ Cl. 5.6.2 of BS EN ISO 20346:2022+ A1:2024
1544.	Personal Protective Equipment- Protective Footwear	Tear Strength	Cl. 5.6.2 of ISO 20346:2021/ Cl. 5.6.2 of ISO 20346:2021+ A1:2024
1545.	Personal Protective Equipment- Protective Footwear	Thickness- Insole, Insock & Footbed	Cl. 5.7.1 of BS EN ISO 20346:2022/ Cl. 5.7.1 of BS EN ISO 20346:2022+ A1:2024
1546.	Personal Protective Equipment- Protective Footwear	Thickness- Insole, Insock & Footbed	Cl. 5.7.1 of ISO 20346:2021/ Cl. 5.7.1 of ISO 20346:2021+ A1:2024
1547.	Personal Protective Equipment- Protective Footwear	Water Permeability	Cl. 5.7.2 of BS EN ISO 20346:2022/ Cl. 5.7.2 of BS EN ISO 20346:2022+ A1:2024
1548.	Personal Protective Equipment- Protective Footwear	Water Permeability	Cl. 5.7.2 of ISO 20346:2021/ Cl. 5.7.2 of ISO 20346:2021+ A1:2024

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174 of 248



# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1549.	Personal Protective Equipment- Protective Footwear	Water Absorption & Desorption	Cl. 5.7.3 of BS EN ISO 20346:2022/ Cl. 5.7.3 of BS EN ISO 20346:2022+ A1:2024
1550.	Personal Protective Equipment- Protective Footwear	Water Absorption & Desorption	Cl. 5.7.3 of ISO 20346:2021/ Cl. 5.7.3 of ISO 20346:2021+ A1:2024
1551.	Personal Protective Equipment- Protective Footwear	Abrasion Resistance- Insole	Cl. 5.7.4.1 of BS EN ISO 20346:2022/ Cl. 5.7.4.1 of BS EN ISO 20346:2022+ A1:2024
1552.	Personal Protective Equipment- Protective Footwear	Abrasion Resistance- Insole	Cl. 5.7.4.1 of ISO 20346:2021/ Cl. 5.7.4.1 of ISO 20346:2021+ A1:2024
1553.	Personal Protective Equipment- Protective Footwear	Abrasion Resistance- Insock	Cl. 5.7.4.2 of BS EN ISO 20346:2022/ Cl. 5.7.4.2 of BS EN ISO 20346:2022+ A1:2024
1554.	Personal Protective Equipment- Protective Footwear	Abrasion Resistance- Insock	Cl. 5.7.4.2 of ISO 20346:2021/ Cl. 5.7.4.2 of ISO 20346:2021+ A1:2024
1555.	Personal Protective Equipment- Protective Footwear	General- Outsole	Cl. 5.8.1 of BS EN ISO 20346:2022/ Cl. 5.8.1 of BS EN ISO 20346:2022+ A1:2024
1556.	Personal Protective Equipment- Protective Footwear	General- Outsole	Cl. 5.8.1 of ISO 20346:2021/ Cl. 5.8.1 of ISO 20346:2021+ A1:2024

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175 of 248

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1557.	Personal Protective Equipment- Protective Footwear	Thickness	Cl. 5.8.2.1 of BS EN ISO 20346:2022/ Cl. 5.8.2.1 of BS EN ISO 20346:2022+ A1:2024
1558.	Personal Protective Equipment- Protective Footwear	Thickness	Cl. 5.8.2.1 of ISO 20346:2021/ Cl. 5.8.2.1 of ISO 20346:2021+ A1:2024
1559.	Personal Protective Equipment- Protective Footwear	Cleated Area	Cl. 5.8.2.2 of BS EN ISO 20346:2022/ Cl. 5.8.2.2 of BS EN ISO 20346:2022+ A1:2024
1560.	Personal Protective Equipment- Protective Footwear	Cleated Area	Cl. 5.8.2.2 of ISO 20346:2021/ Cl. 5.8.2.2 of ISO 20346:2021+ A1:2024
1561.	Personal Protective Equipment- Protective Footwear	Cleat Height	Cl. 5.8.2.3 of BS EN ISO 20346:2022/ Cl. 5.8.2.3 of BS EN ISO 20346:2022+ A1:2024
1562.	Personal Protective Equipment- Protective Footwear	Cleat Height	Cl. 5.8.2.3 of ISO 20346:2021/ Cl. 5.8.2.3 of ISO 20346:2021+ A1:2024
1563.	Personal Protective Equipment- Protective Footwear	Tear Strength	Cl. 5.8.3 of BS EN ISO 20346:2022/ Cl. 5.8.3 of BS EN ISO 20346:2022+ A1:2024
1564.	Personal Protective Equipment- Protective Footwear	Tear Strength	Cl. 5.8.3 of ISO 20346:2021/ Cl. 5.8.3 of ISO 20346:2021+ A1:2024

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176 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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## Scope of Accreditation

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1565.	Personal Protective Equipment- Protective Footwear	Abrasion Resistance	Cl. 5.8.4 of BS EN ISO 20346:2022/ Cl. 5.8.4 of BS EN ISO 20346:2022+ A1:2024
1566.	Personal Protective Equipment- Protective Footwear	Abrasion Resistance	Cl. 5.8.4 of ISO 20346:2021/ Cl. 5.8.4 of ISO 20346:2021+ A1:2024
1567.	Personal Protective Equipment- Protective Footwear	Flexing resistance	Cl. 5.8.5 of BS EN ISO 20346:2022/ Cl. 5.8.5 of BS EN ISO 20346:2022+ A1:2024
1568.	Personal Protective Equipment- Protective Footwear	Flexing resistance	Cl. 5.8.5 of ISO 20346:2021/ Cl. 5.8.5 of ISO 20346:2021+ A1:2024
1569.	Personal Protective Equipment- Protective Footwear	Resistance to Hydrolysis	Cl. 5.8.6 of BS EN ISO 20346:2022/ Cl. 5.8.6 of BS EN ISO 20346:2022+ A1:2024
1570.	Personal Protective Equipment- Protective Footwear	Resistance to Hydrolysis	Cl. 5.8.6 of ISO 20346:2021/ Cl. 5.8.6 of ISO 20346:2021+ A1:2024
1571.	Personal Protective Equipment- Protective Footwear	Interlayer Bond Strength	Cl. 5.8.7 of BS EN ISO 20346:2022/ Cl. 5.8.7 of BS EN ISO 20346:2022+ A1:2024
1572.	Personal Protective Equipment- Protective Footwear	Interlayer Bond Strength	Cl. 5.8.7 of ISO 20346:2021/ Cl. 5.8.7 of ISO 20346:2021+ A1:2024

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177 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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### Scope of Accreditation

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1573.	Personal Protective Equipment- Protective Footwear	Metallic perforation- resistance Insert(Type P)	Cl. 6.2.1.1.2 of BS EN ISO 20346:2022/ Cl. 6.2.1.1.2 of BS EN ISO 20346:2022+ A1:2024
1574.	Personal Protective Equipment- Protective Footwear	Metallic perforation- resistance Insert(Type P)	Cl. 6.2.1.1.2 of ISO 20346:2021/ Cl. 6.2.1.1.2 of ISO 20346:2021+ A1:2024
1575.	Personal Protective Equipment- Protective Footwear	Non Metallic perforation- resistance Insert and Insole(Type PL)	Cl. 6.2.1.1.3 of BS EN ISO 20346:2022/ Cl. 6.2.1.1.3 of BS EN ISO 20346:2022+ A1:2024
1576.	Personal Protective Equipment- Protective Footwear	Non Metallic perforation- resistance Insert and Insole(Type PL)	Cl. 6.2.1.1.3 of ISO 20346:2021/ Cl. 6.2.1.1.3 of ISO 20346:2021+ A1:2024
1577.	Personal Protective Equipment- Protective Footwear	Non Metallic perforation- resistance Insert and Insole(Type PS)	Cl. 6.2.1.1.4 of BS EN ISO 20346:2022/ Cl. 6.2.1.1.4 of BS EN ISO 20346:2022+ A1:2024
1578.	Personal Protective Equipment- Protective Footwear	Non Metallic perforation- resistance Insert and Insole(Type PS)	Cl. 6.2.1.1.4 of ISO 20346:2021/ Cl. 6.2.1.1.4 of ISO 20346:2021+ A1:2024
1579.	Personal Protective Equipment- Protective Footwear	Construction	Cl. 6.2.1.2 of BS EN ISO 20346:2022/ Cl. 6.2.1.2 of BS EN ISO 20346:2022+ A1:2024
1580.	Personal Protective Equipment- Protective Footwear	Construction	Cl. 6.2.1.2 of ISO 20346:2021/ Cl. 6.2.1.2 of ISO 20346:2021+ A1:2024

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178 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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### Scope of Accreditation

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Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1581.	Personal Protective Equipment- Protective Footwear	Dimension	Cl. 6.2.1.3 of BS EN ISO 20346:2022/ Cl. 6.2.1.3 of BS EN ISO 20346:2022+ A1:2024
1582.	Personal Protective Equipment- Protective Footwear	Dimension	Cl. 6.2.1.3 of ISO 20346:2021/ Cl. 6.2.1.3 of ISO 20346:2021+ A1:2024
1583.	Personal Protective Equipment- Protective Footwear	Flex resistance of perforation resistance inserts	Cl. 6.2.1.4.1 of BS EN ISO 20346:2022/ Cl. 6.2.1.4.1 of BS EN ISO 20346:2022+ A1:2024
1584.	Personal Protective Equipment- Protective Footwear	Flex resistance of perforation resistance inserts	Cl. 6.2.1.4.1 of ISO 20346:2021/ Cl. 6.2.1.4.1 of ISO 20346:2021+ A1:2024
1585.	Personal Protective Equipment- Protective Footwear	Corrosion resistance of perforation-resistant metallic inserts	Cl. 6.2.1.4.2 of BS EN ISO 20346:2022/ Cl. 6.2.1.4.2 of BS EN ISO 20346:2022+ A1:2024
1586.	Personal Protective Equipment- Protective Footwear	Corrosion resistance of perforation-resistant metallic inserts	Cl. 6.2.1.4.2 of ISO 20346:2021/ Cl. 6.2.1.4.1 of ISO 20346:2021+ A1:2024
1587.	Personal Protective Equipment- Protective Footwear	Partially Conductive Footwear	Cl. 6.2.2.1 of BS EN ISO 20346:2022/ Cl. 6.2.2.1 of BS EN ISO 20346:2022+ A1:2024
1588.	Personal Protective Equipment- Protective Footwear	Partially Conductive Footwear	Cl. 6.2.2.1 of ISO 20346:2021/ Cl. 6.2.2.1 of ISO 20346:2021+ A1:2024

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179 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

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### Scope of Accreditation

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Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1589.	Personal Protective Equipment- Protective Footwear	Antistatic Footwear	Cl. 6.2.2.2 of BS EN ISO 20346:2022/ Cl. 6.2.2.2 of BS EN ISO 20346:2022+ A1:2024
1590.	Personal Protective Equipment- Protective Footwear	Antistatic Footwear	Cl. 6.2.2.2 of ISO 20346:2021/ Cl. 6.2.2.2 of ISO 20346:2021+ A1:2024
1591.	Personal Protective Equipment- Protective Footwear	Heat Insulation of Outsole Complex	Cl. 6.2.3.1 of BS EN ISO 20346:2022/ Cl. 6.2.3.1 of BS EN ISO 20346:2022+ A1:2024
1592.	Personal Protective Equipment- Protective Footwear	Heat Insulation of Outsole Complex	Cl. 6.2.3.1 of ISO 20346:2021/ Cl. 6.2.3.1 of ISO 20346:2021+ A1:2024
1593.	Personal Protective Equipment- Protective Footwear	Cold Insulation of Outsole Complex	Cl. 6.2.3.2 of BS EN ISO 20346:2022/ Cl. 6.2.3.2 of BS EN ISO 20346:2022+ A1:2024
1594.	Personal Protective Equipment- Protective Footwear	Cold Insulation of Outsole Complex	Cl. 6.2.3.2 of ISO 20346:2021/ Cl. 6.2.3.2 of ISO 20346:2021+ A1:2024
1595.	Personal Protective Equipment- Protective Footwear	Energy Absorption of Seat region	Cl. 6.2.4 of BS EN ISO 20346:2022/ Cl. 6.2.4 of BS EN ISO 20346:2022+ A1:2024
1596.	Personal Protective Equipment- Protective Footwear	Energy Absorption of Seat region	Cl. 6.2.4 of ISO 20346:2021/ Cl. 6.2.4 of ISO 20346:2021+ A1:2024

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180 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1597.	Personal Protective Equipment- Protective Footwear	Water Resistance	Cl. 6.2.5 of BS EN ISO 20346:2022/ Cl. 6.2.5 of BS EN ISO 20346:2022+ A1:2024
1598.	Personal Protective Equipment- Protective Footwear	Water Resistance	Cl. 6.2.5 of ISO 20346:2021/ Cl. 6.2.5 of ISO 20346:2021+ A1:2024
1599.	Personal Protective Equipment- Protective Footwear	Metatarsal Protection	Cl. 6.2.6 of BS EN ISO 20346:2022/ Cl. 6.2.6 of BS EN ISO 20346:2022+ A1:2024
1600.	Personal Protective Equipment- Protective Footwear	Metatarsal Protection	Cl. 6.2.6 of ISO 20346:2021/ Cl. 6.2.6 of ISO 20346:2021+ A1:2024
1601.	Personal Protective Equipment- Protective Footwear	Ankle Protection	Cl. 6.2.7 of BS EN ISO 20346:2022/ Cl. 6.2.7 of BS EN ISO 20346:2022+ A1:2024
1602.	Personal Protective Equipment- Protective Footwear	Ankle Protection	Cl. 6.2.7 of ISO 20346:2021/ Cl. 6.2.7 of ISO 20346:2021+ A1:2024
1603.	Personal Protective Equipment- Protective Footwear	Cut Resistance	Cl. 6.2.8 of BS EN ISO 20346:2022/ Cl. 6.2.8 of BS EN ISO 20346:2022+ A1:2024
1604.	Personal Protective Equipment- Protective Footwear	Cut Resistance	Cl. 6.2.8 of ISO 20346:2021/ Cl. 6.2.8 of ISO 20346:2021+ A1:2024

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181 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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Scope of Accreditation

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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1605.	Personal Protective Equipment- Protective Footwear	Scuff Cap Abrasion	Cl. 6.2.9 of BS EN ISO 20346:2022/ Cl. 6.2.9 of BS EN ISO 20346:2022+ A1:2024
1606.	Personal Protective Equipment- Protective Footwear	Scuff Cap Abrasion	Cl. 6.2.9 of ISO 20346:2021/ Cl. 6.2.9 of ISO 20346:2021+ A1:2024
1607.	Personal Protective Equipment- Protective Footwear	Slip Resistance	Cl. 6.2.10 of BS EN ISO 20346:2022/ Cl. 6.2.10 of BS EN ISO 20346:2022+ A1:2024
1608.	Personal Protective Equipment- Protective Footwear	Slip Resistance	Cl. 6.2.10 of ISO 20346:2021/ Cl. 6.2.10 of ISO 20346:2021+ A1:2024
1609.	Personal Protective Equipment- Protective Footwear	Upper- Water Penetration and Absorption	Cl. 6.3 of BS EN ISO 20346:2022/ Cl. 6.3 of BS EN ISO 20346:2022+ A1:2024
1610.	Personal Protective Equipment- Protective Footwear	Upper- Water Penetration and Absorption	Cl. 6.3 of ISO 20346:2021/ Cl. 6.3 of ISO 20346:2021+ A1:2024
1611.	Personal Protective Equipment- Protective Footwear	Resistance to hot Contact	Cl. 6.4.1 of BS EN ISO 20346:2022/ Cl. 6.4.1 of BS EN ISO 20346:2022+ A1:2024
1612.	Personal Protective Equipment- Protective Footwear	Resistance to hot Contact	Cl. 6.4.1 of ISO 20346:2021/ Cl. 6.4.1 of ISO 20346:2021+ A1:2024

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182 of 248

# Quality And Accreditation Institute

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1613.	Personal Protective Equipment- Protective Footwear	Ladder Grip	Cl. 6.4.3 of BS EN ISO 20346:2022/ Cl. 6.4.3 of BS EN ISO 20346:2022+ A1:2024
1614.	Personal Protective Equipment- Protective Footwear	Ladder Grip	Cl. 6.4.3 of ISO 20346:2021/ Cl. 6.4.3 of ISO 20346:2021+ A1:2024
1615.	Personal protective equipment — Occupational footwear	General	Cl. 5.2.1 of BS EN ISO 20347:2022/ Cl. 5.2.1 of BS EN ISO 20347:2022+ A1:2024
1616.	Personal protective equipment — Occupational footwear	General	Cl. 5.2.1 of ISO 20347:2021/ Cl. 5.2.1 of ISO 20347:2021+ A1:2024
1617.	Personal protective equipment — Occupational footwear	Height of Upper	Cl. 5.2.2 of BS EN ISO 20347:2022/ Cl. 5.2.2 of BS EN ISO 20347:2022+ A1:2024
1618.	Personal protective equipment — Occupational footwear	Height of Upper	Cl. 5.2.2 of ISO 20347:2021/ Cl. 5.2.2 of ISO 20347:2021+ A1:2024
1619.	Personal protective equipment — Occupational footwear	Heel Area	Cl. 5.2.3 of BS EN ISO 20347:2022/ Cl. 5.2.3 of BS EN ISO 20347:2022+ A1:2024
1620.	Personal protective equipment — Occupational footwear	Heel Area	Cl. 5.2.3 of ISO 20347:2021/ Cl. 5.2.3 of ISO 20347:2021+ A1:2024

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183 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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### Scope of Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1621.	Personal protective equipment — Occupational footwear	Construction	Cl. 5.3.1.1 of BS EN ISO 20347:2022/ Cl. 5.3.1.1 of BS EN ISO 20347:2022+ A1:2024
1622.	Personal protective equipment — Occupational footwear	Construction	Cl. 5.3.1.1 of ISO 20347:2021/ Cl. 5.3.1.1 of ISO 20347:2021+ A1:2024
1623.	Personal protective equipment — Occupational footwear	Upper/ Outsole Bond Strength	Cl. 5.3.1.2 of BS EN ISO 20347:2022/ Cl. 5.3.1.2 of BS EN ISO 20347:2022+ A1:2024
1624.	Personal protective equipment — Occupational footwear	Upper/ Outsole Bond Strength	Cl. 5.3.1.2 of ISO 20347:2021/ Cl. 5.3.1.2 of ISO 20347:2021+ A1:2024
1625.	Personal protective equipment — Occupational footwear	Leak proofness	Cl. 5.3.2 of BS EN ISO 20347:2022/ Cl. 5.3.2 of BS EN ISO 20347:2022+ A1:2024
1626.	Personal protective equipment — Occupational footwear	Leak Proofness	Cl. 5.3.2 of ISO 20347:2021/ Cl. 5.3.2 of ISO 20347:2021+ A1:2024
1627.	Personal protective equipment — Occupational footwear	Specific ergonomic features	Cl. 5.3.3 of BS EN ISO 20347:2022/ Cl. 5.3.3 of BS EN ISO 20347:2022+ A1:2024
1628.	Personal protective equipment — Occupational footwear	Specific ergonomic features	Cl. 5.3.3 of ISO 20347:2021/ Cl. 5.3.3 of ISO 20347:2021+ A1:2024

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184 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1629.	Personal protective equipment — Occupational footwear	Slip Resistance	Cl. 5.3.4(Sub Cl- 5.3.4.2) of BS EN ISO 20347:2022/ Cl. 5.3.4(Sub Cl- 5.3.4.2) of BS EN ISO 20347:2022+ A1:2024
1630.	Personal protective equipment — Occupational footwear	Slip Resistance	Cl. 5.3.4(Sub Cl- 5.3.4.2) of ISO 20347:2021/ Cl. 5.3.4(Sub Cl- 5.3.4.2) of ISO 20347:2021+ A1:2024
1631.	Personal protective equipment — Occupational footwear	Seam strength	Cl. 5.3.6 of BS EN ISO 20347:2022/ Cl. 5.3.6 of BS EN ISO 20347:2022+ A1:2024
1632.	Personal protective equipment — Occupational footwear	Seam strength	Cl. 5.3.6 of ISO 20347:2021/ Cl. 5.3.6 of ISO 20347:2021+ A1:2024
1633.	Personal protective equipment — Occupational footwear	General-Upper	Cl. 5.4.1 of BS EN ISO 20347:2022/ Cl. 5.4.1 of BS EN ISO 20347:2022+ A1:2024
1634.	Personal protective equipment — Occupational footwear	General-Upper	Cl. 5.4.1 of ISO 20347:2021/ Cl. 5.4.1 of ISO 20347:2021+ A1:2024
1635.	Personal protective equipment — Occupational footwear	Thickness	Cl. 5.4.2 of BS EN ISO 20347:2022/ Cl. 5.4.2 of BS EN ISO 20347:2022+ A1:2024
1636.	Personal protective equipment — Occupational footwear	Thickness	Cl. 5.4.2 of ISO 20347:2021/ Cl. 5.4.2 of ISO 20347:2021+ A1:2024

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185 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,

Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1637.	Personal protective equipment — Occupational footwear	Tear Strength	Cl. 5.4.3 of BS EN ISO 20347:2022/ Cl. 5.4.3 of BS EN ISO 20347:2022+ A1:2024
1638.	Personal protective equipment — Occupational footwear	Tear Strength	Cl. 5.4.3 of ISO 20347:2021/ Cl. 5.4.3 of ISO 20347:2021+ A1:2024
1639.	Personal protective equipment — Occupational footwear	Tensile Properties	Cl. 5.4.4 of BS EN ISO 20347:2022/ Cl. 5.4.4 of BS EN ISO 20347:2022+ A1:2024
1640.	Personal protective equipment — Occupational footwear	Tensile Properties	Cl. 5.4.4 of ISO 20347:2021/ Cl. 5.4.4 of ISO 20347:2021+ A1:2024
1641.	Personal protective equipment — Occupational footwear	Flexing Resistance	Cl. 5.4.5 of BS EN ISO 20347:2022/ Cl. 5.4.5 of BS EN ISO 20347:2022+ A1:2024
1642.	Personal protective equipment — Occupational footwear	Flexing Resistance	Cl. 5.4.5 of ISO 20347:2021/ Cl. 5.4.5 of ISO 20347:2021+ A1:2024
1643.	Personal protective equipment — Occupational footwear	Water vapour permeability and coefficient	Cl. 5.4.6 of BS EN ISO 20347:2022/ Cl. 5.4.6 of BS EN ISO 20347:2022+ A1:2024
1644.	Personal protective equipment — Occupational footwear	Water vapour permeability and coefficient	Cl. 5.4.6 of ISO 20347:2021/ Cl. 5.4.6 of ISO 20347:2021+ A1:2024

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186 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1645.	Personal protective equipment — Occupational footwear	Resistance to hydrolysis	Cl. 5.4.7 of BS EN ISO 20347:2022/ Cl. 5.4.7 of BS EN ISO 20347:2022+ A1:2024
1646.	Personal protective equipment — Occupational footwear	Resistance to hydrolysis	Cl. 5.4.7 of ISO 20347:2021/ Cl. 5.4.7 of ISO 20347:2021+ A1:2024
1647.	Personal protective equipment — Occupational footwear	Tear Strength- Lining	Cl. 5.5.2 of BS EN ISO 20347:2022/ Cl. 5.5.2 of BS EN ISO 20347:2022+ A1:2024
1648.	Personal protective equipment — Occupational footwear	Tear Strength- Lining	Cl. 5.5.2 of ISO 20347:2021/ Cl. 5.5.2 of ISO 20347:2021+ A1:2024
1649.	Personal protective equipment — Occupational footwear	Abrasion Resistance	Cl. 5.5.3 of BS EN ISO 20347:2022/ Cl. 5.5.3 of BS EN ISO 20347:2022+ A1:2024
1650.	Personal protective equipment — Occupational footwear	Abrasion Resistance	Cl. 5.5.3 of ISO 20347:2021/ Cl. 5.5.3 of ISO 20347:2021+ A1:2024
1651.	Personal protective equipment — Occupational footwear	Water vapour permeability and coefficient	Cl. 5.5.4 of BS EN ISO 20347:2022/ Cl. 5.5.4 of BS EN ISO 20347:2022+ A1:2024
1652.	Personal protective equipment — Occupational footwear	Water vapour permeability and coefficient	Cl. 5.5.4 of ISO 20347:2021/ Cl. 5.5.4 of ISO 20347:2021+ A1:2024

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[www.qai.org.in](http://www.qai.org.in)



187 of 248

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Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1653.	Personal protective equipment — Occupational footwear	Tear Strength	Cl. 5.6.2 of BS EN ISO 20347:2022/ Cl. 5.6.2 of BS EN ISO 20347:2022+ A1:2024
1654.	Personal protective equipment — Occupational footwear	Tear Strength- Tongue	Cl. 5.6.2 of ISO 20347:2021/ Cl. 5.6.2 of ISO 20347:2021+ A1:2024
1655.	Personal protective equipment — Occupational footwear	Thickness of Insole, Insock & footbed	Cl. 5.7.1 of BS EN ISO 20347:2022/ Cl. 5.7.1 of BS EN ISO 20347:2022+ A1:2024
1656.	Personal protective equipment — Occupational footwear	Thickness of Insole, Insock & footbed	Cl. 5.7.1 of ISO 20347:2021/ Cl. 5.7.1 of ISO 20347:2021+ A1:2024
1657.	Personal protective equipment — Occupational footwear	Water permeability	Cl. 5.7.2 of BS EN ISO 20347:2022/ Cl. 5.7.2 of BS EN ISO 20347:2022+ A1:2024
1658.	Personal protective equipment — Occupational footwear	Water permeability	Cl. 5.7.2 of ISO 20347:2021/ Cl. 5.7.2 of ISO 20347:2021+ A1:2024
1659.	Personal protective equipment — Occupational footwear	Water absorption and desorption	Cl. 5.7.3 of BS EN ISO 20347:2022/ Cl. 5.7.3 of BS EN ISO 20347:2022+ A1:2024
1660.	Personal protective equipment — Occupational footwear	Water absorption and desorption	Cl. 5.7.3 of ISO 20347:2021/ Cl. 5.7.3 of ISO 20347:2021+ A1:2024

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[www.qai.org.in](http://www.qai.org.in)



188 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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### Scope of Accreditation

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1661.	Personal protective equipment — Occupational footwear	Abrasion Resistance- Insole	Cl. 5.7.4.1 of BS EN ISO 20347:2022/ Cl. 5.7.4.1 of BS EN ISO 20347:2022+ A1:2024
1662.	Personal protective equipment — Occupational footwear	Abrasion Resistance- Insole	Cl. 5.7.4.1 of ISO 20347:2021/ Cl. 5.7.4.1 of ISO 20347:2021+ A1:2024
1663.	Personal protective equipment — Occupational footwear	Abrasion Resistance- Insock	Cl. 5.7.4.2 of BS EN ISO 20347:2022/ Cl. 5.7.4.2 of BS EN ISO 20347:2022+ A1:2024
1664.	Personal protective equipment — Occupational footwear	Abrasion Resistance- Insock	Cl. 5.7.4.2 of ISO 20347:2021/ Cl. 5.7.4.2 of ISO 20347:2021+ A1:2024
1665.	Personal protective equipment — Occupational footwear	Thickness- Outsole	Cl. 5.8.2.1 of BS EN ISO 20347:2022/ Cl. 5.8.2.1 of BS EN ISO 20347:2022+ A1:2024
1666.	Personal protective equipment — Occupational footwear	Thickness- Outsole	Cl. 5.8.2.1 of ISO 20347:2021/ Cl. 5.8.2.1 of ISO 20347:2021+ A1:2024
1667.	Personal protective equipment — Occupational footwear	Cleated Area- Outsole	Cl. 5.8.2.2 of BS EN ISO 20347:2022/ Cl. 5.8.2.2 of BS EN ISO 20347:2022+ A1:2024
1668.	Personal protective equipment — Occupational footwear	Cleated Area- Outsole	Cl. 5.8.2.2 of ISO 20347:2021/ Cl. 5.8.2.2 of ISO 20347:2021+ A1:2024

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189 of 248



# Quality And Accreditation Institute Centre for International Accreditation

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Scope of Accreditation

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QAI/CIA/TL/2025/0107

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Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1669.	Personal protective equipment — Occupational footwear	Cleat Height- Outsole	Cl. 5.8.2.3 of BS EN ISO 20347:2022/ Cl. 5.8.2.3 of BS EN ISO 20347:2022+ A1:2024
1670.	Personal protective equipment — Occupational footwear	Cleat Height- Outsole	Cl. 5.8.2.3 of ISO 20347:2021/ Cl. 5.8.2.3 of ISO 20347:2021+ A1:2024
1671.	Personal protective equipment — Occupational footwear	Tear Strength- Outsole	Cl. 5.8.3 of BS EN ISO 20347:2022/ Cl. 5.8.3 of BS EN ISO 20347:2022+ A1:2024
1672.	Personal protective equipment — Occupational footwear	Tear Strength	Cl. 5.8.3 of ISO 20347:2021/ Cl. 5.8.3 of ISO 20347:2021+ A1:2024
1673.	Personal protective equipment — Occupational footwear	Abrasion Resistance- Outsole	Cl. 5.8.4 of BS EN ISO 20347:2022/ Cl. 5.8.4 of BS EN ISO 20347:2022+ A1:2024
1674.	Personal protective equipment — Occupational footwear	Abrasion Resistance- Outsole	Cl. 5.8.4 of ISO 20347:2021/ Cl. 5.8.4 of ISO 20347:2021+ A1:2024
1675.	Personal protective equipment — Occupational footwear	Flexing Resistance	Cl. 5.8.5 of BS EN ISO 20347:2022/ Cl. 5.8.5 of BS EN ISO 20347:2022+ A1:2024
1676.	Personal protective equipment — Occupational footwear	Flexing Resistance	Cl. 5.8.5 of ISO 20347:2021/ Cl. 5.8.5 of ISO 20347:2021+ A1:2024

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190 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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## Scope of Accreditation

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Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1677.	Personal protective equipment — Occupational footwear	Resistance to Hydrolysis	Cl. 5.8.6 of BS EN ISO 20347:2022/ Cl. 5.8.6 of BS EN ISO 20347:2022+ A1:2024
1678.	Personal protective equipment — Occupational footwear	Resistance to Hydrolysis	Cl. 5.8.6 of ISO 20347:2021/ Cl. 5.8.6 of ISO 20347:2021+ A1:2024
1679.	Personal protective equipment — Occupational footwear	Interlayer Bond Strength	Cl. 5.8.7 of BS EN ISO 20347:2022/ Cl. 5.8.7 of BS EN ISO 20347:2022+ A1:2024
1680.	Personal protective equipment — Occupational footwear	Interlayer Bond Strength	Cl. 5.8.7 of ISO 20347:2021/ Cl. 5.8.7 of ISO 20347:2021+ A1:2024
1681.	Personal protective equipment — Occupational footwear	Metallic perforation-resistant inserts (Type P)	Cl. 6.2.1.1.2 of BS EN ISO 20347:2022/ Cl. 6.2.1.1.2 of BS EN ISO 20347:2022+ A1:2024
1682.	Personal protective equipment — Occupational footwear	Metallic perforation-resistant inserts (Type P)	Cl. 6.2.1.1.2 of ISO 20347:2021/ Cl. 6.2.1.1.2 of ISO 20347:2021+ A1:2024
1683.	Personal protective equipment — Occupational footwear	Non-metallic perforation-resistant inserts and insoles (Type PL)	Cl. 6.2.1.1.3 of BS EN ISO 20347:2022/ Cl. 6.2.1.1.3 of BS EN ISO 20347:2022+ A1:2024
1684.	Personal protective equipment — Occupational footwear	Non-metallic perforation-resistant inserts and insoles (Type PL)	Cl. 6.2.1.1.3 of ISO 20347:2021/ Cl. 6.2.1.1.3 of ISO 20347:2021+ A1:2024

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191 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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### Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1685.	Personal protective equipment — Occupational footwear	Non-metallic perforation-resistant inserts and insoles (Type PS)	Cl. 6.2.1.1.4 of BS EN ISO 20347:2022/ Cl. 6.2.1.1.4 of BS EN ISO 20347:2022+ A1:2024
1686.	Personal protective equipment — Occupational footwear	Non-metallic perforation-resistant inserts and insoles (Type PS)	Cl. 6.2.1.1.4 of ISO 20347:2021/ Cl. 6.2.1.1.4 of ISO 20347:2021+ A1:2024
1687.	Personal protective equipment — Occupational footwear	Construction	Cl. 6.2.1.2 of BS EN ISO 20347:2022/ Cl. 6.2.1.2 of BS EN ISO 20347:2022+ A1:2024
1688.	Personal protective equipment — Occupational footwear	Construction	Cl. 6.2.1.2 of ISO 20347:2021/ Cl. 6.2.1.2 of ISO 20347:2021+ A1:2024
1689.	Personal protective equipment — Occupational footwear	Dimensions	Cl. 6.2.1.3 of BS EN ISO 20347:2022/ Cl. 6.2.1.3 of BS EN ISO 20347:2022+ A1:2024
1690.	Personal protective equipment — Occupational footwear	Dimensions	Cl. 6.2.1.3 of ISO 20347:2021/ Cl. 6.2.1.3 of ISO 20347:2021+ A1:2024
1691.	Personal protective equipment — Occupational footwear	Flex resistance of perforation-resistant inserts	Cl. 6.2.1.4.1 of BS EN ISO 20347:2022/ Cl. 6.2.1.4.1 of BS EN ISO 20347:2022+ A1:2024
1692.	Personal protective equipment — Occupational footwear	Flex resistance of perforation-resistant inserts	Cl. 6.2.1.4.1 of ISO 20347:2021/ Cl. 6.2.1.4.1 of ISO 20347:2021+ A1:2024

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192 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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## Scope of Accreditation

**METS Laboratories India Private Limited**

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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1693.	Personal protective equipment — Occupational footwear	Corrosion resistance of perforation-resistant metallic inserts	Cl. 6.2.1.4.2 of BS EN ISO 20347:2022/ Cl. 6.2.1.4.2 of BS EN ISO 20347:2022+ A1:2024
1694.	Personal protective equipment — Occupational footwear	Corrosion resistance of perforation-resistant metallic inserts	Cl. 6.2.1.4.2 of ISO 20347:2021/ Cl. 6.2.1.4.2 of ISO 20347:2021+ A1:2024
1695.	Personal protective equipment — Occupational footwear	Stability against ageing and environmental influence of non-metallic perforation resistant inserts	Cl. 6.2.1.4.3 of BS EN ISO 20347:2022/ Cl. 6.2.1.4.3 of BS EN ISO 20347:2022+ A1:2024
1696.	Personal protective equipment — Occupational footwear	Stability against ageing and environmental influence of non-metallic perforation resistant inserts	Cl. 6.2.1.4.3 of ISO 20347:2021/ Cl. 6.2.1.4.3 of ISO 20347:2021+ A1:2024
1697.	Personal protective equipment — Occupational footwear	Partially conductive footwear	Cl. 6.2.2.1 of BS EN ISO 20347:2022/ Cl. 6.2.2.1 of BS EN ISO 20347:2022+ A1:2024
1698.	Personal protective equipment — Occupational footwear	Partially conductive footwear	Cl. 6.2.2.1 of ISO 20347:2021/ Cl. 6.2.2.1 of ISO 20347:2021+ A1:2024
1699.	Personal protective equipment — Occupational footwear	Antistatic footwear	Cl. 6.2.2.2 of BS EN ISO 20347:2022/ Cl. 6.2.2.2 of BS EN ISO 20347:2022+ A1:2024

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193 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1700.	Personal protective equipment — Occupational footwear	Antistatic footwear	Cl. 6.2.2.2 of ISO 20347:2021/ Cl. 6.2.2.2 of ISO 20347:2021+ A1:2024
1701.	Personal protective equipment — Occupational footwear	Heat insulation of outsole complex	Cl. 6.2.3.1 of BS EN ISO 20347:2022/ Cl. 6.2.3.1of BS EN ISO 20347:2022+ A1:2024
1702.	Personal protective equipment — Occupational footwear	Heat insulation of outsole complex	Cl. 6.2.3.1 of ISO 20347:2021/ Cl. 6.2.3.1 of ISO 20347:2021+ A1:2024
1703.	Personal protective equipment — Occupational footwear	Cold insulation of outsole complex	Cl. 6.2.3.2 of BS EN ISO 20347:2022/ Cl. 6.2.3.2 of BS EN ISO 20347:2022+ A1:2024
1704.	Personal protective equipment — Occupational footwear	Cold insulation of outsole complex	Cl. 6.2.3.2 of ISO 20347:2021/ Cl. 6.2.3.2 of ISO 20347:2021+ A1:2024
1705.	Personal protective equipment — Occupational footwear	Energy absorption of seat region	Cl. 6.2.4 of BS EN ISO 20347:2022/ Cl. 6.2.4 of BS EN ISO 20347:2022+ A1:2024
1706.	Personal protective equipment — Occupational footwear	Energy absorption of seat region	Cl. 6.2.4 of ISO 20347:2021/ Cl. 6.2.4 of ISO 20347:2021+ A1:2024
1707.	Personal protective equipment — Occupational footwear	Water resistance	Cl. 6.2.5 of BS EN ISO 20347:2022/ Cl. 6.2.5 of BS EN ISO 20347:2022+ A1:2024

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194 of 248



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Scope of Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1708.	Personal protective equipment — Occupational footwear	Water resistance	Cl. 6.2.5 of ISO 20347:2021/ Cl. 6.2.5 of ISO 20347:2021+ A1:2024
1709.	Personal protective equipment — Occupational footwear	Ankle protection	Cl. 6.2.6 of BS EN ISO 20347:2022/ Cl. 6.2.6 of BS EN ISO 20347:2022+ A1:2024
1710.	Personal protective equipment — Occupational footwear	Ankle protection	Cl. 6.2.6 of ISO 20347:2021/ Cl. 6.2.6 of ISO 20347:2021+ A1:2024
1711.	Personal protective equipment — Occupational footwear	Cut resistance	Cl. 6.2.7 of BS EN ISO 20347:2022/ Cl. 6.2.7 of BS EN ISO 20347:2022+ A1:2024
1712.	Personal protective equipment — Occupational footwear	Cut resistance	Cl. 6.2.7 of ISO 20347:2021/ Cl. 6.2.7 of ISO 20347:2021+ A1:2024
1713.	Personal protective equipment — Occupational footwear	Scuff cap abrasion	Cl. 6.2.8 of BS EN ISO 20347:2022/ Cl. 6.2.8 of BS EN ISO 20347:2022+ A1:2024
1714.	Personal protective equipment — Occupational footwear	Scuff cap abrasion	Cl. 6.2.8 of ISO 20347:2021/ Cl. 6.2.8 of ISO 20347:2021+ A1:2024
1715.	Personal protective equipment — Occupational footwear	Slip resistance	Cl. 6.2.9 of BS EN ISO 20347:2022/ Cl. 6.2.9 of BS EN ISO 20347:2022+ A1:2024

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195 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1716.	Personal protective equipment — Occupational footwear	Slip resistance	Cl. 6.2.9 of ISO 20347:2021/ Cl. 6.2.9 of ISO 20347:2021+ A1:2024
1717.	Personal protective equipment — Occupational footwear	Upper — Water penetration and absorption	Cl. 6.3 of BS EN ISO 20347:2022/ Cl. 6.3 of BS EN ISO 20347:2022+ A1:2024
1718.	Personal protective equipment — Occupational footwear	Upper — Water penetration and absorption	Cl. 6.3 of ISO 20347:2021/ Cl. 6.3 of ISO 20347:2021+ A1:2024
1719.	Personal protective equipment — Occupational footwear	Resistance to hot contact	Cl. 6.4.1 of BS EN ISO 20347:2022/ Cl. 6.4.1 of BS EN ISO 20347:2022+ A1:2024
1720.	Personal protective equipment — Occupational footwear	Resistance to hot contact	Cl. 6.4.1 of ISO 20347:2021/ Cl. 6.4.1 of ISO 20347:2021+ A1:2024
1721.	Personal protective equipment — Occupational footwear	Ladder Grip	Cl. 6.4.3 of BS EN ISO 20347:2022/ Cl. 6.4.3 of BS EN ISO 20347:2022+ A1:2024
1722.	Personal protective equipment — Occupational footwear	Ladder Grip	Cl. 6.4.3 of ISO 20347:2021/ Cl. 6.4.3 of ISO 20347:2021+ A1:2024
1723.	Personal Protective Equipment- Test Method	Construction	SASO ISO 20344:2011 clause 5.2

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196 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1724.	Personal Protective Equipment- Test Method	Height of Upper	SASO ISO 20344:2011 clause 6.2
1725.	Personal Protective Equipment- Test Method	Internal length/ Dimensions of toe caps	SASO ISO 20344:2011 clause 5.3
1726.	Personal Protective Equipment- Test Method	Impact resistance of toecaps	SASO ISO 20344:2011 clause 5.4
1727.	Personal Protective Equipment- Test Method	Compression resistance of toe caps	SASO ISO 20344:2011 clause 5.5
1728.	Personal Protective Equipment- Test Method	Corrosion resistance of toecaps/inserts/ metal parts	SASO ISO 20344:2011 clause 5.6
1729.	Personal Protective Equipment- Test Method	Specific ergonomic features	SASO ISO 20344:2011 clause 5.1
1730.	Personal Protective Equipment- Test Method	Slip resistance	SASO ISO 20344:2011 clause 5.11
1731.	Personal Protective Equipment- Test Method	Dimensional conformity/ Construction of inserts	SASO ISO 20344:2011 clause 5.8.1
1732.	Personal Protective Equipment- Test Method	Determination of penetration/ perforation force of inserts	SASO ISO 20344:2011 clause 5.8.2, 5.8.3
1733.	Personal Protective Equipment- Test Method	Flex resistance of penetration-resistant inserts	SASO ISO 20344:2011 clause 5.9
1734.	Personal Protective Equipment- Test Method	Electrical resistance	SASO ISO 20344:2011 clause 5.10

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197 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1735.	Personal Protective Equipment- Test Method	Heat insulation of sole complex	SASO ISO 20344:2011 clause 5.12
1736.	Personal Protective Equipment- Test Method	Cold insulation of sole complex	SASO ISO 20344:2011 clause 5.13
1737.	Personal Protective Equipment- Test Method	Energy absorption of seat region	SASO ISO 20344:2011 clause 5.14
1738.	Personal Protective Equipment- Test Method	Water resistance for whole footwear	SASO ISO 20344:2011 clause 5.15.2
1739.	Personal Protective Equipment- Test Method	Impact resistance Metatarsal protection	SASO ISO 20344:2011 clause 5.16
1740.	Personal Protective Equipment- Test Method	Ankle protection	SASO ISO 20344:2011 clause 5.17
1741.	Personal Protective Equipment- Test Method	Cut resistance	SASO ISO 20344:2011 clause 6.14
1742.	Personal Protective Equipment- Test Method	Thickness	SASO ISO 20344:2011 clause 6.1
1743.	Personal Protective Equipment- Test Method	Tear Strength	SASO ISO 20344:2011 clause 6.3
1744.	Personal Protective Equipment- Test Method	Tensile properties	SASO ISO 20344:2011 clause 6.4
1745.	Personal Protective Equipment- Test Method	Flexing Resistance	SASO ISO 20344:2011 clause 6.5

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198 of 248

# Quality And Accreditation Institute

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1746.	Personal Protective Equipment- Test Method	Water vapour permeability, absorption and coefficient	SASO ISO 20344:2011
1747.	Personal Protective Equipment- Test Method	Hydrolysis	SASO ISO 20344:2011 clause 6.10
1748.	Personal Protective Equipment- Test Method	Martindale Abrasion resistance	SASO ISO 20344:2011 clause 6.12
1749.	Personal Protective Equipment- Test Method	Water penetration and water Absorption	SASO ISO 20344:2011 clause 6.13
1750.	Personal Protective Equipment- Test Method	Thickness	SASO ISO 20344:2011 clause 7.1
1751.	Personal Protective Equipment- Test Method	Water absorption/ desorption	SASO ISO 20344:2011 clause 7.2
1752.	Personal Protective Equipment- Test Method	Abrasion resistance of insole	SASO ISO 20344:2011 clause 7.3
1753.	Personal Protective Equipment- Test Method	Thickness/ Cleated area/ Cleat height of outsole	SASO ISO 20344:2011 clause 8.1.1, 8.1.2
1754.	Personal Protective Equipment- Test Method	Tear strength	SASO ISO 20344:2011- clause 8.2
1755.	Personal Protective Equipment- Test Method	Flexing resistance of outsole	SASO ISO 20344:2011 clause 8.4
1756.	Personal Protective Equipment- Test Method	Heat insulation of sole complex	Cl. 5.12 of SASO ISO 20344:2011

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199 of 248



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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1757.	Personal Protective Equipment- Test Method	Hydrolysis	Cl.6.10 of SASO ISO 20344:2011
1758.	Personal Protective Equipment- Test Method	Height of upper	Cl 6.2 of SASO ISO 20344:2011
1759.	Personal Protective Equipment- Test Method	Abrasion resistance	Cl 8.4 of SASO ISO 20344:2011
1760.	Personal Protective Equipment- Test Method	Abrasion resistance of insole	Cl 7.3 of SASO ISO 20344:2011
1761.	Personal Protective Equipment- Test Method	Flexing resistance	Cl 8.4 of SASO ISO 20344:2011
1762.	Personal Protective Equipment- Test Method	Flexing resistance of Upper	Cl. 6.5 of SASO ISO 20344:2011
1763.	Personal Protective Equipment- Test Method	Hydrolysis of outsole/Ross flex	Cl 8.5 of SASO ISO 20344:2011
1764.	Personal Protective Equipment- Test Method	Abrasion resistance- Martindale	Cl.6.12 of SASO ISO 20344:2011
1765.	Personal Protective Equipment- Test Method	Resistance to hot contact	Cl.8.7 of SASO ISO 20344:2011
1766.	Personal Protective Equipment- Test Method	Tear strength	Cl.6.3 of SASO ISO 20344:2011
1767.	Personal Protective Equipment- Test Method	Tear strength of Outsole	Cl.8.3 of SASO ISO 20344:2011
1768.	Personal Protective Equipment- Test Method	Tensile properties	Cl.6.4 of SASO ISO 20344:2011

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200 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1769.	Personal Protective Equipment- Test Method	Thickness	Cl.7.1 of SASO ISO 20344:2011
1770.	Personal Protective Equipment- Test Method	Thickness	Cl.6.1 of SASO ISO 20344:2011
1771.	Personal Protective Equipment- Test Method	Thickness/Cleated area/Cleat height of outsole	Cl. 8.1.1, 8.1.2 of SASO ISO 20344:2011
1772.	Personal Protective Equipment- Test Method	Water absorption/ desorption	Cl.7.2 of SASO ISO 20344:2011
1773.	Personal Protective Equipment- Test Method	Water penetration and water absorption	Cl.6.13 of SASO ISO 20344:2011
1774.	Personal Protective Equipment- Test Method	Dimensional conformity/Construction of inserts	Cl.5.8.1 of SASO ISO 20344:2011
1775.	Personal Protective Equipment- Test Method	Energy absorption of seat region	Cl.5.14 of SASO ISO 20344:2011
1776.	Personal Protective Equipment- Test Method	Flex resistance of penetration-resistant inserts	Cl.5.9 of SASO ISO 20344:2011
1777.	Personal Protective Equipment- Test Method	Ankle protection	Cl.5.17 of SASO ISO 20344:2011
1778.	Personal Protective Equipment- Test Method	Compression resistance of toecaps	Cl.5.5 of SASO ISO 20344:2011
1779.	Personal Protective Equipment- Test Method	Corrosion resistance of toecaps/inserts/ metal parts	Cl.5.6 of SASO ISO 20344:2011

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201 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1780.	Personal Protective Equipment- Test Method	Cut resistance	Cl.6.14 of SASO ISO 20344:2011
1781.	Personal Protective Equipment- Test Method	Determination of penetration/perforation force of inserts	Cl.4.2, 5.8.1 & 5.8.2 of SASO ISO 20344:2011
1782.	Personal Protective Equipment- Test Method	Electrical resistance: Antistatic footwear/conductive footwear	Cl.5.10 of SASO ISO 20344:2011
1783.	Personal Protective Equipment- Test Method	Heat insulation of sole complex	Cl.5.12 of SASO ISO 20344:2011
1784.	Personal Protective Equipment- Test Method	Impact resistance Metatarsal protection	Cl.5.16 of SASO ISO 20344:2011
1785.	Personal Protective Equipment- Test Method	Impact resistance of toecaps	Cl.5.4 of SASO ISO 20344:2011
1786.	Personal Protective Equipment- Test Method	Compression Resistance	Cl.5.5 of SASO ISO 20344:2011
1787.	Personal Protective Equipment- Test Method	Internal length/ Dimensions of toecaps	Cl.5.3 of SASO ISO 20344:2011
1788.	Personal Protective Equipment- Test Method	Leakproofness	Cl.5.7 of SASO ISO 20344:2011
1789.	Personal Protective Equipment- Test Method	Slip resistance	Cl.5.11 of SASO ISO 20344:2011
1790.	Personal Protective Equipment- Test Method	Specific ergonomic features	Cl.5.1 of SASO ISO 20344:2011

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202 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1791.	Personal Protective Equipment- Test Method	Upper/outsole bond strength / Adhesion/Consolidation Test	Cl.5.2 of SASO ISO 20344:2011
1792.	Personal Protective Equipment- Test Method	Water resistance for whole footwear	Cl.5.15.2 of SASO ISO 20344:2011
1793.	Personal Protective Equipment- Test Method	Cold insulation of sole complex	Cl.5.13 of SASO ISO 20344:2011
1794.	Personal Protective Equipment- Safety Footwears	Height of Upper	SASO ISO 20345:2011- clause 5.2.2
1795.	Personal Protective Equipment- Safety Footwears	Seat region	SASO ISO 20345:2011 clause 5.2.3
1796.	Personal Protective Equipment- Safety Footwears	Construction	SASO ISO 20345:2011 clause 5.3.1.1
1797.	Personal Protective Equipment- Safety Footwears	Upper/ Outsole bond Strength	SASO ISO 20345:2011 clause 5.3.1.2
1798.	Personal Protective Equipment- Safety Footwears	General- Toe Protection	SASO ISO 20345:2011 clause 5.3.2.1
1799.	Personal Protective Equipment- Safety Footwears	Internal Length of Toe Cap	SASO ISO 20345:2011 clause 5.3.2.2
1800.	Personal Protective Equipment- Safety Footwears	Impact Resistance of Safety Footwear	SASO ISO 20345:2011 clause 5.3.2.3
1801.	Personal Protective Equipment- Safety Footwears	Compression Resistance of Safety Footwear	SASO ISO 20345:2011 clause 5.3.2.4

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203 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1802.	Personal Protective Equipment- Safety Footwears	Behaviour of Toe Cap	SASO ISO 20345:2011 clause 5.3.2.5
1803.	Personal Protective Equipment- Safety Footwears	Leakproofness	SASO ISO 20345:2011 clause 5.3.3
1804.	Personal Protective Equipment- Safety Footwears	Specific Ergonomic Features	SASO ISO 20345:2011 clause 5.3.4
1805.	Personal Protective Equipment- Safety Footwears	Slip resistance- NALS	SASO ISO 20345:2011 clause 5.3.5.2
1806.	Personal Protective Equipment- Safety Footwears	Slip resistance- Glycerine	SASO ISO 20345:2011 clause 5.3.5.3
1807.	Personal Protective Equipment- Safety Footwears	Slip Resistance	SASO ISO 20345:2011 clause 5.3.5.4
1808.	Personal Protective Equipment- Safety Footwears	General Upper	SASO ISO 20345:2011 clause 5.4.1
1809.	Personal Protective Equipment- Safety Footwears	Thickness- Upper	SASO ISO 20345:2011 clause 5.4.2
1810.	Personal Protective Equipment- Safety Footwears	Tear Strength- Upper	SASO ISO 20345:2011 clause 5.4.3
1811.	Personal Protective Equipment- Safety Footwears	Tensile Properties- Upper	SASO ISO 20345:2011 clause 5.4.4
1812.	Personal Protective Equipment- Safety Footwears	Flexing Resistance of Upper	SASO ISO 20345:2011 clause 5.4.5
1813.	Personal Protective Equipment- Safety Footwears	Water vapour permeability and coefficient	SASO ISO 20345:2011 clause 5.4.6

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204 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,

Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1814.	Personal Protective Equipment- Safety Footwears	Hydrolysis	SASO ISO 20345:2011 clause 5.4.8
1815.	Personal Protective Equipment- Safety Footwears	Tear Strength- Vamp & Quarter	SASO ISO 20345:2011 clause 5.5.1
1816.	Personal Protective Equipment- Safety Footwears	Abrasion Resistance- Vamp & Quarter	SASO ISO 20345:2011 clause 5.5.2
1817.	Personal Protective Equipment- Safety Footwears	Water Vapour Permeability & Coefficient- Vamp & Quarter	SASO ISO 20345:2011 clause 5.5.3
1818.	Personal Protective Equipment- Safety Footwears	Tear Strength- Tongue	SASO ISO 20345:2011 clause 5.6.1
1819.	Personal Protective Equipment- Safety Footwears	Thickness of Insole & Insock	SASO ISO 20345:2011 clause 5.7.1
1820.	Personal Protective Equipment- Safety Footwears	Water Absorption and Desorption	SASO ISO 20345:2011 clause 5.7.3
1821.	Personal Protective Equipment- Safety Footwears	Abrasion Resistance of Insole	SASO ISO 20345:2011 clause 5.7.4.1
1822.	Personal Protective Equipment- Safety Footwears	Abrasion Resistance of Insock	SASO ISO 20345:2011 clause 5.7.4.2
1823.	Personal Protective Equipment- Safety Footwears	Thickness- Outsole	SASO ISO 20345:2011 clause 5.8.1.1
1824.	Personal Protective Equipment- Safety Footwears	Cleated Area	SASO ISO 20345:2011 clause 5.8.1.2

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205 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1825.	Personal Protective Equipment- Safety Footwears	Cleat Height	SASO ISO 20345:2011 clause 5.8.1.3
1826.	Personal Protective Equipment- Safety Footwears	Tear Strength of Outsole	SASO ISO 20345:2011 clause 5.8.2
1827.	Personal Protective Equipment- Safety Footwears	Abrasion Resistance of Outsole	SASO ISO 20345:2011 clause 5.8.3
1828.	Personal Protective Equipment- Safety Footwears	Flexing Resistance of Outsole	SASO ISO 20345:2011 clause 5.8.4
1829.	Personal Protective Equipment- Safety Footwears	Hydrolysis	SASO ISO 20345:2011 clause 5.8.5
1830.	Personal Protective Equipment- Safety Footwears	Interlayer Bond Strength	SASO ISO 20345:2011 clause 5.8.6
1831.	Personal Protective Equipment- Safety Footwears	Metallic anti-penetration insert	SASO ISO 20345:2011 clause 6.2.1.1.1
1832.	Personal Protective Equipment- Safety Footwears	Non-metallic anti-penetration insert	SASO ISO 20345:2011 clause 6.2.1.1.2
1833.	Personal Protective Equipment- Safety Footwears	Construction	SASO ISO 20345:2011 clause 6.2.1.2
1834.	Personal Protective Equipment- Safety Footwears	Dimension	SASO ISO 20345:2011 clause 6.2.1.3
1835.	Personal Protective Equipment- Safety Footwears	Flex resistance of penetration-resistant inserts	SASO ISO 20345:2011 clause 6.2.1.4

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206 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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Scope of Accreditation

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1836.	Personal Protective Equipment- Safety Footwears	Corrosion resistance of penetration-resistant metallic inserts	SASO ISO 20345:2011 clause 6.2.1.5.1
1837.	Personal Protective Equipment- Safety Footwears	Penetration-resistant non-metallic inserts	SASO ISO 20345:2011 clause 6.2.1.5.2
1838.	Personal Protective Equipment- Safety Footwears	Conductive footwear	SASO ISO 20345:2011 clause 6.2.2.1
1839.	Personal Protective Equipment- Safety Footwears	Antistatic Footwear	SASO ISO 20345:2011 clause 6.2.2.2
1840.	Personal Protective Equipment- Safety Footwears	Heat insulation of sole complex	SASO ISO 20345:2011 clause 6.2.3.1
1841.	Personal Protective Equipment- Safety Footwears	Cold insulation of sole complex	SASO ISO 20345:2011 clause 6.2.3.2
1842.	Personal Protective Equipment- Safety Footwears	Energy Absorption Seat Region	SASO ISO 20345:2011 clause 6.2.4
1843.	Personal Protective Equipment- Safety Footwears	Water Resistance	SASO ISO 20345:2011 clause 6.2.5
1844.	Personal Protective Equipment- Safety Footwears	Metatarsal Protection	SASO ISO 20345:2011 clause 6.2.6
1845.	Personal Protective Equipment- Safety Footwears	Ankle Protection	SASO ISO 20345:2011 clause 6.2.7
1846.	Personal Protective Equipment- Safety Footwears	Cut Resistance	SASO ISO 20345:2011 clause 6.2.8

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207 of 248

# Quality And Accreditation Institute

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1847.	Personal Protective Equipment- Safety Footwears	Water Penetration and Absorption	SASO ISO 20345:2011 clause 6.3
1848.	Personal Protective Equipment- Safety Footwears	Resistance to Hot Contact	SASO ISO 20345:2011 clause 6.4.1
1849.	Personal Protective Equipment- Protective Footwears	Height of Upper	SASO ISO 20346:2007- clause 5.2.2
1850.	Personal Protective Equipment- Protective Footwears	Seat region	SASO ISO 20346:2007- clause 5.2.3
1851.	Personal Protective Equipment- Protective Footwears	Construction	SASO ISO 20346:2007- clause 5.3.1.1
1852.	Personal Protective Equipment- Protective Footwears	Upper/ Outsole bond Strength	SASO ISO 20346:2007- clause 5.3.12
1853.	Personal Protective Equipment- Protective Footwears	General- Toe Protection	SASO ISO 20346:2007- clause 5.3.2.1
1854.	Personal Protective Equipment- Protective Footwears	Internal Length of Toe Cap	SASO ISO 20346:2007- clause 5.3.2.2

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208 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1855.	Personal Protective Equipment- Protective Footwears	Impact Resistance of Safety Footwear	SASO ISO 20346:2007- clause 5.3.2.3
1856.	Personal Protective Equipment- Protective Footwears	Compression Resistance of Safety Footwear	SASO ISO 20346:2007- clause 5.3.2.4
1857.	Personal Protective Equipment- Protective Footwears	Behaviour of Toe Cap	SASO ISO 20346:2007- clause 5.3.2.5
1858.	Personal Protective Equipment- Protective Footwears	Leakproofness	SASO ISO 20346:2007- clause 5.3.3
1859.	Personal Protective Equipment- Protective Footwears	Specific Ergonomic Features	SASO ISO 20346:2007- clause 5.3.4
1860.	Personal Protective Equipment- Protective Footwears	Slip resistance- Glycerine	SASO ISO 20346:2007clause 5.3.5.3
1861.	Personal Protective Equipment- Protective Footwears	Slip Resistance	SASO ISO 20346:2007clause 5.3.5.4
1862.	Personal Protective Equipment- Protective Footwears	General Upper	SASO ISO 20346:2007- clause 5.4.1

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209 of 248



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1863.	Personal Protective Equipment- Protective Footwears	Thickness- Upper	SASO ISO 20346:2007- clause 5.4.2
1864.	Personal Protective Equipment- Protective Footwears	Tear Strength- Upper	SASO ISO 20346:2007- clause 5.4.3
1865.	Personal Protective Equipment- Protective Footwears	Tensile Properties- Upper	SASO ISO 20346:2007- clause 5.4.4
1866.	Personal Protective Equipment- Protective Footwears	Flexing Resistance of Upper	SASO ISO 20346:2007- clause 5.4.5
1867.	Personal Protective Equipment- Protective Footwears	Water vapour permeability and coefficient	SASO ISO 20346:2007- clause 5.4.6
1868.	Personal Protective Equipment- Protective Footwears	Hydrolysis	SASO ISO 20346:2007- clause 5.4.8
1869.	Personal Protective Equipment- Protective Footwears	Tear Strength- Lining	SASO ISO 20346:2007 clause 5.5.1
1870.	Personal Protective Equipment- Protective Footwears	Abrasion Resistance	SASO ISO 20346:2007 clause 5.5.2

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210 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1871.	Personal Protective Equipment- Protective Footwears	Water Vapour Permeability & Coefficient-	SASO ISO 20346:2007 clause 5.5.3
1872.	Personal Protective Equipment- Protective Footwears	Tear Strength- Tongue	SASO ISO 20346:2007 clause 5.6.1
1873.	Personal Protective Equipment- Protective Footwears	Thickness of Insole & Insock	SASO ISO 20346:2007 clause 5.7.1
1874.	Personal Protective Equipment- Protective Footwears	Water Absorption and Desorption	SASO ISO 20346:2007 clause 5.7.3
1875.	Personal Protective Equipment- Protective Footwears	Abrasion Resistance of Insole	SASO ISO 20346:2007 clause 5.7.4.1
1876.	Personal Protective Equipment- Protective Footwears	Abrasion Resistance of Insock	SASO ISO 20346:2007 clause 5.7.4.2
1877.	Personal Protective Equipment- Protective Footwears	Thickness- Outsole	SASO ISO 20346:2007 clause 5.8.1
1878.	Personal Protective Equipment- Protective Footwears	Tear Strength	SASO ISO 20346:2007 clause 5.8.2

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211 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1879.	Personal Protective Equipment- Protective Footwears	Abrasion Resistance of Outsole	SASO ISO 20346:2007 clause 5.8.3
1880.	Personal Protective Equipment- Protective Footwears	Flexing Resistance of Outsole	SASO ISO 20346:2007 clause 5.8.4
1881.	Personal Protective Equipment- Protective Footwears	Hydrolysis	SASO ISO 20346:2007 clause 5.8.5
1882.	Personal Protective Equipment- Protective Footwears	Interlayer Bond Strength	SASO ISO 20346:2007 clause 5.8.6
1883.	Personal Protective Equipment- Protective Footwears	Determination of penetration force	SASO ISO 20346:2007 clause 6.2.1.1
1884.	Personal Protective Equipment- Protective Footwears	Construction	SASO ISO 20346:2007 clause 6.2.1.2
1885.	Personal Protective Equipment- Protective Footwears	Dimension	SASO ISO 20346:2007 clause 6.2.1.3
1886.	Personal Protective Equipment- Protective Footwears	Flex resistance of penetration-resistant inserts	SASO ISO 20346:2007 clause 6.2.1.4

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212 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1887.	Personal Protective Equipment- Protective Footwears	Corrosion resistance of penetration-resistant metallic inserts	SASO ISO 20346:2007 clause 6.2.1.5.1
1888.	Personal Protective Equipment- Protective Footwears	Penetration-resistant non-metallic inserts	SASO ISO 20346:2007 clause 6.2.1.5.2
1889.	Personal Protective Equipment- Protective Footwears	Conductive footwear	SASO ISO 20346:2007 clause 6.2.2.1
1890.	Personal Protective Equipment- Protective Footwears	Antistatic Footwear	SASO ISO 20346:2007 clause 6.2.2.2
1891.	Personal Protective Equipment- Protective Footwears	Heat insulation of sole complex	SASO ISO 20346:2007 clause 6.2.3.1
1892.	Personal Protective Equipment- Protective Footwears	Cold insulation of sole complex	SASO ISO 20346:2007 clause 6.2.3.2
1893.	Personal Protective Equipment- Protective Footwears	Energy Absorption Seat Region	SASO ISO 20346:2007 clause 6.2.4
1894.	Personal Protective Equipment- Protective Footwears	Water Resistance	SASO ISO 20346:2007 clause 6.2.5

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213 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1895.	Personal Protective Equipment- Protective Footwears	Metatarsal Protection	SASO ISO 20346:2007 clause 6.2.6
1896.	Personal Protective Equipment- Protective Footwears	Ankle Protection	SASO ISO 20346:2007 clause 6.2.7
1897.	Personal Protective Equipment- Protective Footwears	Cut Resistance	SASO ISO 20346:2007 clause 6.3.3
1898.	Personal Protective Equipment- Protective Footwears	Water Penetration and Absorption	SASO ISO 20346:2007 clause 6.3
1899.	Personal Protective Equipment- Protective Footwears	Cleated Area	SASO ISO 20346:2007 clause 6.4.1
1900.	Personal Protective Equipment- Protective Footwears	Thickness of Cleated Outsole	SASO ISO 20346:2007 clause 6.4.2
1901.	Personal Protective Equipment- Protective Footwears	Cleat Height	SASO ISO 20346:2007 clause 6.4.3
1902.	Personal Protective Equipment- Protective Footwears	Resistance to Hot Contact	SASO ISO 20346:2007 clause 6.4.4

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214 of 248



# Quality And Accreditation Institute Centre for International Accreditation

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1903.	Personal Protective Equipment- Occupational Footwears	Height of Upper	SASO ISO 20347:2007- clause 5.2.2
1904.	Personal Protective Equipment- Occupational Footwears	Seat region	SASO ISO 20347:2007- clause 5.2.2
1905.	Personal Protective Equipment- Occupational Footwears	Construction	SASO ISO 20347:2007- clause 5.3.1.1
1906.	Personal Protective Equipment- Occupational Footwears	Upper/ Outsole bond Strength	SASO ISO 20347:2007- clause 5.3.1.2
1907.	Personal Protective Equipment- Occupational Footwears	Leak proofness	SASO ISO 20347:2007- clause 5.3.2
1908.	Personal Protective Equipment- Occupational Footwears	Specific Ergonomic Features	SASO ISO 20347:2007- clause 5.3.3
1909.	Personal Protective Equipment- Occupational Footwears	General Upper	SASO ISO 20347:2007- clause 5.4.1
1910.	Personal Protective Equipment- Occupational Footwears	Thickness- Upper	SASO ISO 20347:2007- clause 5.4.2

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215 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1911.	Personal Protective Equipment- Occupational Footwears	Tear Strength- Upper	SASO ISO 20347:2007- clause 5.4.3
1912.	Personal Protective Equipment- Occupational Footwears	Tensile Properties- Upper	SASO ISO 20347:2007- clause 5.4.4
1913.	Personal Protective Equipment- Occupational Footwears	Flexing Resistance of Upper	SASO ISO 20347:2007- clause 5.4.5
1914.	Personal Protective Equipment- Occupational Footwears	Water vapour permeability and coefficient	SASO ISO 20347:2007- clause 5.4.6
1915.	Personal Protective Equipment- Occupational Footwears	Hydrolysis/ resistance to Flexing of the upper material	SASO ISO 20347:2007- clause 5.4.8
1916.	Personal Protective Equipment- Occupational Footwears	Tear Strength- Lining	SASO ISO 20347:2007- clause 5.5.1
1917.	Personal Protective Equipment- Occupational Footwears	Abrasion Resistance	SASO ISO 20347:2007- clause 5.5.2
1918.	Personal Protective Equipment- Occupational Footwears	Water Vapour Permeability & Coefficient-	SASO ISO 20347:2007- clause 5.5.3

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216 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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Scope of Accreditation

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1919.	Personal Protective Equipment- Occupational Footwears	Tear Strength- Tongue	SASO ISO 20347:2007- clause 5.6.1
1920.	Personal Protective Equipment- Occupational Footwears	Thickness of Insole & Insock	SASO ISO 20347:2007- clause 5.7.1
1921.	Personal Protective Equipment- Occupational Footwears	Water Absorption and Desorption	SASO ISO 20347:2007- clause 5.7.3
1922.	Personal Protective Equipment- Occupational Footwears	Abrasion Resistance of Insole	SASO ISO 20347:2007- clause 5.7.4.1
1923.	Personal Protective Equipment- Occupational Footwears	Abrasion Resistance of Insock	SASO ISO 20347:2007- clause 5.7.4.2
1924.	Personal Protective Equipment- Occupational Footwears	Thickness- Outsole	SASO ISO 20347:2007- clause 5.8.1
1925.	Personal Protective Equipment- Occupational Footwears	Tear Strength	SASO ISO 20347:2007- clause 5.8.2
1926.	Personal Protective Equipment- Occupational Footwears	Abrasion Resistance of Outsole	SASO ISO 20347:2007- clause 5.8.3

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217 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1927.	Personal Protective Equipment- Occupational Footwears	Flexing Resistance of Outsole	SASO ISO 20347:2007- clause 5.8.4
1928.	Personal Protective Equipment- Occupational Footwears	Hydrolysis	SASO ISO 20347:2007- clause 5.8.5
1929.	Personal Protective Equipment- Occupational Footwears	Interlayer Bond Strength	SASO ISO 20347:2007- clause 5.8.6
1930.	Personal Protective Equipment- Occupational Footwears	Determination of penetration force	SASO ISO 20347:2007- clause 6.2.1.1
1931.	Personal Protective Equipment- Occupational Footwears	Construction	SASO ISO 20347:2007- clause 6.2.1.2
1932.	Personal Protective Equipment- Occupational Footwears	Dimension	SASO ISO 20347:2007- clause 6.2.1.3
1933.	Personal Protective Equipment- Occupational Footwears	Flex resistance of penetration-resistant inserts	SASO ISO 20347:2007- clause 6.2.1.4
1934.	Personal Protective Equipment- Occupational Footwears	Corrosion resistance of penetration-resistant metallic inserts	SASO ISO 20347:2007- clause 6.2.1.5.1

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218 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1935.	Personal Protective Equipment- Occupational Footwears	Penetration-resistant non-metallic inserts	SASO ISO 20347:2007- clause 6.2.1.5.2
1936.	Personal Protective Equipment- Occupational Footwears	Conductive footwear	SASO ISO 20347:2007- clause 6.2.2.1
1937.	Personal Protective Equipment- Occupational Footwears	Antistatic Footwear	SASO ISO 20347:2007- clause 6.2.2.2
1938.	Personal Protective Equipment- Occupational Footwears	Heat insulation of sole complex	SASO ISO 20347:2007- clause 6.2.3.1
1939.	Personal Protective Equipment- Occupational Footwears	Cold insulation of sole complex	SASO ISO 20347:2007- clause 6.2.3.2
1940.	Personal Protective Equipment- Occupational Footwears	Energy Absorption Seat Region	SASO ISO 20347:2007- clause 6.2.4
1941.	Personal Protective Equipment- Occupational Footwears	Water Resistance	SASO ISO 20347:2007- clause 6.2.5
1942.	Personal Protective Equipment- Occupational Footwears	Water Penetration and Absorption	SASO ISO 20347:2007- clause 6.3

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219 of 248



# Quality And Accreditation Institute Centre for International Accreditation

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## Scope of Accreditation

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QAI/CIA/TL/2025/0107

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Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1943.	Personal Protective Equipment- Occupational Footwears	Cleated Area- Outsole	SASO ISO 20347:2007- clause 6.4.1
1944.	Personal Protective Equipment- Occupational Footwears	Thickness of Outsole	SASO ISO 20347:2007- clause 6.4.2
1945.	Personal Protective Equipment- Occupational Footwears	Cleat Height	SASO ISO 20347:2007- clause 6.4.3
1946.	Personal Protective Equipment- Occupational Footwears	Resistance to Hot Contact	SASO ISO 20347:2007- clause 6.4.4
1947.	Footwear	Slip Resistance	ISO 24267: 2020
1948.	Footwear	Slip Resistance	BS EN ISO 24267: 2020
1949.	Occupational Footwear	Height of Upper	Cl. 5.2.2 of IS 15298-4: 2024 Ref. ISO 20344:2021, 6.2
1950.	Occupational Footwear	Heel Area	Cl. 5.2.3 of IS 15298-4: 2024 Ref. ISO 20344:2021, Figure 12
1951.	Occupational Footwear	Construction	Cl. 5.3.1.1 of IS 15298-4: 2024
1952.	Occupational Footwear	Upper/outsole bond strength	Cl. 5.2.3 of IS 15298-4: 2024 Ref. ISO 20344:2021, 5.2
1953.	Occupational Footwear	Leakproofness	Cl. 5.3.2 of IS 15298-4: 2024 Ref. ISO 20344:2021, 5.7
1954.	Occupational Footwear	Specific Ergonomic Features	Cl. 5.3.3 of IS 15298-4: 2024

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220 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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### Scope of Accreditation

**METS Laboratories India Private Limited**

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
			Ref. ISO 20344:2021, 5.1
1955.	Occupational Footwear	Slip Resistance	Cl. 5.3.4.2 of IS 15298-4: 2024 Ref. ISO 20344:2021, 5.14
1956.	Occupational Footwear	Seam Strength	Cl. 5.3.6 of IS 15298-4: 2024 Ref. ISO 20344:2021, 6.9
1957.	Occupational Footwear	Upper - General	Cl. 5.4.1 of IS 15298-4: 2024
1958.	Occupational Footwear	Thickness- upper	Cl. 5.4.2 of IS 15298-4: 2024 Ref. ISO 20344:2021, 6.1
1959.	Occupational Footwear	Tear Strength- Upper	Cl. 5.4.3 of IS 15298-4: 2024 Ref. ISO 20344:2021, 6.3
1960.	Occupational Footwear	Tensile Strength- Upper	Cl. 5.4.4 of IS 15298-4: 2024 Ref. ISO 20344:2021, 6.4
1961.	Occupational Footwear	Flexing Resistance- Upper	Cl. 5.4.5 of IS 15298-4: 2024 Ref. ISO 20344:2021, 6.5
1962.	Occupational Footwear	Water Vapour Permeability and Coefficient- Upper	Cl. 5.4.6 of IS 15298-4: 2024 Ref. ISO 20344:2021, 6.2.3
1963.	Occupational Footwear	Resistance to Hydrolysis- Upper	Cl. 5.4.7 of IS 15298-4: 2024 Ref. ISO 20344:2021, 6.10
1964.	Occupational Footwear	Tear Strength- Lining	Cl. 5.5.2 of IS 15298-4: 2024 Ref. ISO 20344:2021, 6.3
1965.	Occupational Footwear	Abrasion Resistance- Lining	Cl. 5.5.3 of IS 15298-4: 2024 Ref. ISO 20344:2021, 6.12
1966.	Occupational Footwear	Water vapour permeability and coefficient- Lining	Cl. 5.5.4 of IS 15298-4: 2024 Ref. ISO 20344:2021, 6.6, 6.7 & 6.8

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221 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1967.	Occupational Footwear	Tear Strength- Tongue	Cl. 5.6.2 of IS 15298-4: 2024 Ref. ISO 20344:2021, 6.3
1968.	Occupational Footwear	Thickness- Insole/ Insock	Cl. 5.7.1 of IS 15298-4: 2024 Ref. ISO 20344:2021, 7.1
1969.	Occupational Footwear	Water Permeability	Cl. 5.7.2 of IS 15298-4: 2024 Ref. ISO 20344:2021, 7.2
1970.	Occupational Footwear	Water absorption and desorption	Cl. 5.7.3 of IS 15298-4: 2024 Ref. ISO 20344:2021, 7.2
1971.	Occupational Footwear	Abrasion Resistance- Insole	Cl. 5.7.4.1 of IS 15298-4: 2024 Ref. ISO 20344:2021, 7.3
1972.	Occupational Footwear	Abrasion Resistance- Insock	Cl. 5.7.4.2 of IS 15298-4: 2024 Ref. ISO 20344:2021, 6.12
1973.	Occupational Footwear	General- Outsole	Cl. 5.8.1 of IS 15298-4: 2024 Ref. ISO 20344:2021, 6.12
1974.	Occupational Footwear	Thickness- Outsole	Cl. 5.8.2.1 of IS 15298-4: 2024 Ref. ISO 20344:2021, 8.2.3
1975.	Occupational Footwear	Cleated Area- Outsole	Cl. 5.8.2.2 of IS 15298-4: 2024 Ref. ISO 20344:2021, Fig 36
1976.	Occupational Footwear	Cleat Height- Outsole	Cl. 5.8.2.2 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl 8.3 and Fig 37, 38 & 39
1977.	Occupational Footwear	Tear Strength- Outsole	Cl. 5.8.2.1 of IS 15298-4: 2024 Ref. ISO 20344:2021, 8.3
1978.	Occupational Footwear	Abrasion Resistance- Outsole	Cl. 5.8.4 of IS 15298-4: 2024

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222 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
			Ref. ISO 20344:2021, 8.4
1979.	Occupational Footwear	Flexing Resistance- Outsole	Cl. 5.8.5 of IS 15298-4: 2024 Ref. ISO 20344:2021, 8.6
1980.	Occupational Footwear	Resistance to Hydrolysis	Cl. 5.8.6 of IS 15298-4: 2024 Ref. ISO 20344:2021, 8.7
1981.	Occupational Footwear	Interlayer Bond Strength	Cl. 5.8.7 of IS 15298-4: 2024 Ref. ISO 20344:2021, 5.2
1982.	Occupational Footwear	Metallic perforation-resistant inserts (Type P)	Cl. 6.2.1.1.2 of IS 15298-4: 2024 Ref. ISO 20344:2021, 5.9
1983.	Occupational Footwear	Non-metallic perforation-resistant inserts and insoles (Type PL)	Cl. 6.2.1.1.3 of IS 15298-4: 2024 Ref. ISO 20344:2021, 5.10.4.2.2
1984.	Occupational Footwear	Non-metallic perforation-resistant inserts and insoles (Type PS)	Cl. 6.2.1.1.4 of IS 15298-4: 2024 Ref. ISO 20344:2021, 5.10.4.2.1
1985.	Occupational Footwear	Construction	Cl. 6.2.1.2 of IS 15298-4: 2024
1986.	Occupational Footwear	Dimensions	Cl. 6.2.1.3 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl. 5.8, Fig 15
1987.	Occupational Footwear	Flex resistance of perforation-resistant inserts	Cl. 6.2.1.4.1 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl. 5.12
1988.	Occupational Footwear	Corrosion resistance of perforation-resistant metallic inserts	Cl. 6.2.1.4.2 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl. 5.11.2 & 5.6.2.1

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223 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
1989.	Occupational Footwear	Stability against ageing and environmental influence of non-metallic perforation resistant inserts	Cl. 6.2.1.4.3 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl. 5.11.2
1990.	Occupational Footwear	Electrical properties	Cl. 6.2.2 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl. 5.13
1991.	Occupational Footwear	Heat insulation of outsole complex	Cl. 6.2.3.1 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl. 5.15
1992.	Occupational Footwear	Cold insulation of outsole complex	Cl. 6.2.3.2 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl. 5.16
1993.	Occupational Footwear	Energy absorption of seat region	Cl. 6.2.4 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl. 5.17
1994.	Occupational Footwear	Water resistance	Cl. 6.2.5 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl. 5.18
1995.	Occupational Footwear	Ankle protection	Cl. 6.2.6 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl. 5.21 & 5.22
1996.	Occupational Footwear	Cut resistance	Cl. 6.2.7 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl. 5.23.2
1997.	Occupational Footwear	Scuff cap abrasion	Cl. 6.2.8 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl. 5.24.2
1998.	Occupational Footwear	Slip Resistance	Cl. 6.2.9 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl. 5.14
1999.	Occupational Footwear	Upper — Water penetration and absorption	Cl. 6.3 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl. 6.13

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224 of 248



# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



## Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

Valid until: 06 March 2027

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Leather and Leather Products</b>		
2000.	Occupational Footwear	Resistance to hot contact- Outsole	Cl. 6.4.1 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl. 8.9
2001.	Occupational Footwear	Resistance to fuel oil	Cl. 6.4.2 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl. 8.8.2.1 & 8.8.2.2
2002.	Occupational Footwear	Ladder grip	Cl. 6.4.3 of IS 15298-4: 2024 Ref. ISO 20344:2021, Cl. 8.2.4



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## Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile Materials</b>		
1.	Bed sheet and pillow cover	Pilling resistance	IS 10971 (P-2):2022
2.	Bed sheet and pillow cover	Pilling resistance	IS 17630:2021, Clause-6, (Table-1)-vi, Ref. of IS 10971-2
3.	Bed sheet and pillow cover	Tensile strength	IS 17630:2021, Clause-7.1, Ref. of IS 15891-3:2024 (Table-2)-I, non-woven, Woven-IS 1969-1:2018
4.	Bed sheet and pillow cover	Tensile strength	(Table-2)-i, non-woven-IS 15891-3:2024
5.	Bed sheet and pillow cover	Tensile strength	Woven-IS 1969-1:2018
6.	Bed sheet and pillow cover	Bursting strength	IS 17630:2021, Clause-7.1, Ref of (Table-2)-ii, IS 1966:1976
7.	Bed sheet and pillow cover	Bursting strength	(Table-2)-ii, IS 1966:1976
8.	Bed sheet and pillow cover	Seam strength	IS 17630:2021, Clause-7.1, Ref. of (Table-2)-iii, Nonwoven: IS 15891 (P-18):2017, Woven: IS/ISO 13935 (P-1):2014
9.	Bed sheet and pillow cover	Seam strength	(Table-2)-iii, Nonwoven: IS 15891 (P-18):2017

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226 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile Materials</b>		
10.	Bed sheet and pillow cover	Seam strength	Woven: IS/ISO 13935 (P- 1):2014
11.	Non-woven Fabric for Wipes	Weight per square metre, g/m	IS 15891(P-1):2024, Ref. of IS 17788:2021, Table(ii), clause-6.1
12.	Non-woven Fabric for Wipes	Weight per square metre, g/m	IS 17788:2021, Table(ii), clause-6.1
13.	Non-woven Fabric for Wipes	Weight per square metre, g/m	IS 15891(P-1):2024, Ref. of IS 17788:2021, Table(iv), clause-6.1
14.	Non-woven Fabric for Wipes	Breaking strength (dry)	IS 17788:2021, Table(iv), clause-6.1, Ref. of IS 15891:2024(P-18)
15.	Non-woven Fabric for Wipes	Breaking strength (dry)	IS 15891:2024(P-18)
16.	Non-woven Fabric for Wipes	Breaking strength (dry)	IS 17788:2021, Table(iv), clause-6.1, Ref. of IS 15891:2024(P-18)
17.	Non-woven Fabric for Wipes	Breaking strength (dry)	IS 15891:2024(P-18)
18.	Non-woven Fabric for Wipes	Breaking strength (wet)	IS 17788:2021, Table(v), clause-6.1, Ref. of IS 15891:2024(P-18)
19.	Non-woven Fabric for Wipes	Breaking strength (wet)	IS 15891:2024(P-18)

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[www.qai.org.in](http://www.qai.org.in)



227 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

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Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile Materials</b>		
20.	Non-woven Fabric for Wipes	Length and width, mm	IS 17788:2021, Table(v), Clause-6.1, ref. of IS 18739:2024, Table-1, clause-3.1
21.	Bedsheets, Pillow cover & Blanket cover	Count of yarn(warp)	IS 18739:2024, Table-1, clause-3.1,
22.	Bedsheets, Pillow cover & Blanket cover	Count of yarn(warp)	IS 3442:2023+A1 2024
23.	Bedsheets, Pillow cover & Blanket cover	Count of yarn(weft)	IS 7703-1:1990
24.	Bedsheets, Pillow cover & Blanket cover	Weave	IS 18739:2024, Table-1, clause-3.1
25.	Bedsheets, Pillow cover & Blanket cover	Ends/Picks cm	IS 18739:2024, Table-1, clause-3.1, Ref. of IS 1963:1981
26.	Bedsheets, Pillow cover & Blanket cover	Ends/Picks cm	IS 1963:1981
27.	Bedsheets, Pillow cover & Blanket cover	Mass g/m <sup>2</sup>	IS 18739:2024, Table-1, Clause-3.1, ref. of IS 1964:2001
28.	Bedsheets, Pillow cover & Blanket cover	Mass g/m <sup>2</sup>	IS 1964:2001
29.	Bedsheets, Pillow cover & Blanket cover	Breaking Load on 5 cm × 30 cm Strip (Ravelled Strip Method) warp/weft	IS 18739:2024, Table-2, clause-3.1, ref. of IS 1969-1:2018, A1:2022, A2:2024

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228 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

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Gurugram-122052, Haryana, India

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile Materials</b>		
30.	Bedsheets, Pillow cover & Blanket cover	Breaking Load on 5 cm × 30 cm Strip (Ravelled Strip Method) warp/weft	IS 1969-1:2018, A1:2022, A2:2024
31.	Bedsheets, Pillow cover & Blanket cover	Tear Strength(warp/weft)	IS 18739:2024, Table-2, clause-3.1, Ref. of IS 6489-1:2011
32.	Bedsheets, Pillow cover & Blanket cover	Tear Strength(warp/weft)	IS 6489-1:2011
33.	Bedsheets, Pillow cover & Blanket cover	Resistance to pilling for 1000 cycles	IS 18739:2024, Table-2, clause-3.1, Ref. of IS 10971-1:2022
34.	Bedsheets, Pillow cover & Blanket cover	Resistance to pilling for 1000 cycles	IS 10971-1:2022
35.	Cotton Towelling & Towels (Terry Towelling)	Count of Yarn	IS 7056:2024, Table-1, clause-3.1, Ref. of IS 1315:1977
36.	Cotton Towelling & Towels (Terry Towelling)	Count of Yarn	IS 1315:1977
37.	Cotton Towelling & Towels (Terry Towelling)	Threads per dm	IS 7056:2024, Table-1, clause-3.1, ref. of IS 1963:1981
38.	Cotton Towelling & Towels (Terry Towelling)	Threads per dm	IS 1963:1981
39.	Cotton Towelling & Towels (Terry Towelling)	Mass g/m <sup>2</sup>	IS 7056:2024, Table-1, clause-3.1, Ref. of IS 1964:2001

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[www.qai.org.in](http://www.qai.org.in)



229 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

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Gurugram-122052, Haryana, India

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile Materials</b>		
40.	Cotton Towelling & Towels (Terry Towelling)	Mass g/m <sup>2</sup>	IS 1964:2001
41.	Cotton Towelling & Towels (Terry Towelling)	Terry Ratio	IS 7056:2024, Table-1, clause-3.1 ANNEX-J
42.	Cotton Towelling & Towels (Huck-a-Back Towelling)	Count of Yarn	IS 7056:2024, Table-2, clause-3.1, ref. of IS 1315: 1977
43.	Cotton Towelling & Towels (Huck-a-Back Towelling)	Threads per dm	IS 7056:2024, Table-2, clause-3.1, ref. of IS 1963:1981
44.	Cotton Towelling & Towels (Huck-a-Back Towelling)	Threads per dm	IS 1963:1981
45.	Cotton Towelling & Towels (Huck-a-Back Towelling)	Mass g/m <sup>2</sup>	IS 7056:2024, Table-2, clause-3.1, Ref. of IS 1964:2001
46.	Cotton Towelling & Towels (Huck-a-Back Towelling)	Mass g/m <sup>2</sup>	IS 1964:2001
47.	Cotton Towelling & Towels (Fabric)	Breaking load on 5.0cm x 20cm strips	IS 7056:2024, Table-3, clause-3.2.1, Ref. of IS 1969: 2018, A1: 2022, A2: 2024
48.	Cotton Towelling & Towels (Fabric)	Breaking load on 5.0cm x 20cm strips	IS 1969-1:2018, A1:2022, A2:2024
49.	Textile Fabric & garment, Textile Products & Accessories	Martindale Abrasion	ASTM D4966:2022

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230 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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QAI/CIA/TL/2025/0107

Valid from: 07 March 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile Materials</b>		
50.	Textile Fabric & garment, Textile Products & Accessories	Martindale Abrasion	ISO 12947-1 :1998
51.	Textile Fabric & garment, Textile Products & Accessories	Martindale Abrasion	ISO 12947-2:2016
52.	Textile Fabric & garment, Textile Products & Accessories	Martindale Abrasion	ISO 12947-3:1998
53.	Textile Fabric & garment, Textile Products & Accessories	Martindale Abrasion	ISO 12947-4:1998
54.	Textile Fabric & garment, Textile Products & Accessories	Martindale Pilling	ASTM D4970:2016
55.	Textile Fabric & garment, Textile Products & Accessories	Martindale Pilling	ISO 12945-2:2020
56.	Textile Fabric & garment, Textile Products & Accessories	Martindale Pilling	IS 10971-2:2022
57.	Textile Fabric & garment, Textile Products & Accessories	Random Tumble Pilling	ISO 12945-3:2020
58.	Textile Fabric & garment, Textile Products & Accessories	Random Tumble Pilling	ASTM D3512:2016
59.	Textile Fabric & garment, Textile Products & Accessories	GSM	ASTM 3776:2020 Option C&D

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231 of 248

# Quality And Accreditation Institute Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile Materials</b>		
60.	Textile Fabric & garment, Textile Products & Accessories	GSM	BS EN 12127:1998
61.	Textile Fabric & garment, Textile Products & Accessories	GSM	ISO 3801:1977
62.	Textile Fabric & garment, Textile Products & Accessories	Bursting strength (Pneumatic)	ASTM-D 3786 :2023
63.	Textile Fabric & garment, Textile Products & Accessories	Bursting strength (Pneumatic)	ISO 13938-1:2019
64.	Textile Fabric & garment, Textile Products & Accessories	Bursting strength (Pneumatic)	ISO 13938-2:2019
65.	Textile Fabric & garment, Textile Products & Accessories	ICI Pilling	ISO 12945-1:2020
66.	Textile Fabric & garment, Textile Products & Accessories	ICI Pilling	IS 10971-1:2022
67.	Textile Fabric & garment, Textile Products & Accessories	Stretch & Recovery	ASTM D3107:2019
68.	Textile Fabric & garment, Textile Products & Accessories	Stretch & Recovery	ASTM D2594:2021
69.	Textile Fabric & garment, Textile Products & Accessories	Elmendorf tear	ASTM D1424:2021

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232 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile Materials</b>		
70.	Textile Fabric & garment, Textile Products & Accessories	Elmendorf tear	ISO 13937-1:2000
71.	Textile Fabric & garment, Textile Products & Accessories	Elmendorf tear	ISO 13937-2:2000
72.	Textile Fabric & garment, Textile Products & Accessories	Elmendorf tear	ASTMD 2261:2024
73.	Textile Fabric & garment, Textile Products & Accessories	Tensile Strength	ASTM D5034:2021
74.	Textile Fabric & garment, Textile Products & Accessories	Tensile Strength	ASTM D5035:2019
75.	Textile Fabric & garment, Textile Products & Accessories	Tensile Strength	ISO 13934-1:2013
76.	Textile Fabric & garment, Textile Products & Accessories	Tensile Strength	ISO 13934-2:2014
77.	Textile Fabric & garment, Textile Products & Accessories	End (Warp) and Pick (Filling) Count of Woven Fabrics	ASTM 3775:2017
78.	Textile Fabric & garment, Textile Products & Accessories	Wale and Course Count of Weft Knitted Fabrics	ASTM 8007:2019
79.	Textile Fabric & garment, Textile Products & Accessories	Determination of number of threads per unit length	ISO 7211-2:2020

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[www.qai.org.in](http://www.qai.org.in)



233 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile Materials</b>		
80.	Textile Fabric & garment, Textile Products & Accessories	Woven fabrics. Construction. Methods of analysis. - Determination of number of threads per unit length	BS EN 1049-2:1994
81.	Textile Fabric & garment, Textile Products & Accessories	Methods of test for knitted fabrics	BS 5441:1988+A1:2019
82.	Textile Fabric & garment, Textile Products & Accessories	Seam Slippage & Strength	ASTM 1683:2022
83.	Textile Fabric & garment, Textile Products & Accessories	Seam Slippage & Strength	ISO 13935-1:2014
84.	Textile Fabric & garment, Textile Products & Accessories	Seam Slippage & Strength	ISO 13935-2:2014
85.	Textile Fabric & garment, Textile Products & Accessories	Seam Slippage & Strength	ISO 13936-1:2004
86.	Textile Fabric & garment, Textile Products & Accessories	Seam Slippage & Strength	ISO 13936-2:2004
87.	Textile Fabric & garment, Textile Products & Accessories	Count	ASTM 1059:2017
88.	Textile Fabric & garment, Textile Products & Accessories	Count	ISO 7211-5:2020
89.	Textile Fabric & garment, Textile Products & Accessories	Count	IS 3442:2023, A1: 2024

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[www.qai.org.in](http://www.qai.org.in)



234 of 248



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile Materials</b>		
90.	Textile Fabric & garment, Textile Products & Accessories	Strength test for zipper	ASTM 2061:2021
91.	Textile Fabric & garment, Textile Products & Accessories	Operability of Zippers	ASTM 2062:2021
92.	Textile Fabric & garment, Textile Products & Accessories	Strength test for zipper	BS 3084:2017
93.	Textile Fabric & garment, Textile Products & Accessories	Strength test for zipper	EN BS 16732:2016
94.	Textile Fabric & garment, Textile Products & Accessories	Button Impact	ASTM 5171:2020
95.	Textile Fabric & garment, Textile Products & Accessories	Tuft Attachment	ISO 4919:2012
96.	Textile Fabric & garment, Textile Products & Accessories	Button pull test	16 CFR 1500.51-53
97.	Disposable Baby Diaper- Specification	Material a) top cover or the top sheet b) absorbent core c) outer protective barrier or back sheet	Clause-3, 3.1, 3.2, 3.3 of IS:17509: 2021
98.	Disposable Baby Diaper- Specification	Fastening and Securing Mechanism	Clause-4, 4.1, 4.2, 4.3 of IS:17509: 2021

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[www.qai.org.in](http://www.qai.org.in)



235 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



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Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile Materials</b>		
99.	Disposable Baby Diaper-Specification	Workmanship and Finish	Clause-5 of IS 17509: 2021
100.	Disposable Baby Diaper-Specification	Types And Size	Clause-6, 6.1 of IS:17509: 2021
101.	Disposable Baby Diaper-Specification	Dimensions of Baby Diaper (Diaper length)	Clause-6.2 of IS:17509: 2021
102.	Disposable Baby Diaper-Specification	Dimensions of Baby Diaper (Diaper width)	Clause-6.2 of IS:17509: 2021
103.	Disposable Baby Diaper-Specification	Dimensions of Baby Diaper (Diaper crotch)	Clause-6.2 of IS:17509: 2021
104.	Disposable Baby Diaper-Specification	Dimensions of Baby Diaper (Absorbent core length)	Clause-6.2 of IS:17509: 2021
105.	Disposable Baby Diaper-Specification	Dimensions of Baby Diaper (Absorbent core width back)	Clause-6.2 of IS:17509: 2021
106.	Disposable Baby Diaper-Specification	Dimensions of Baby Diaper (Absorbent core width front)	Clause-6.2 of IS:17509: 2021
107.	Disposable Baby Diaper-Specification	Dimensions of Baby Diaper (core crotch)	Clause-6.2 of IS:17509: 2021
108.	Disposable Baby Diaper-Specification	Minimum Absorption Capacity test	Clause-7, 7.2 of IS:17509: 2021

This is annexure to 'Certificate of Accreditation' and does not require any signature.

[www.qai.org.in](http://www.qai.org.in)



236 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile Materials</b>		
109.	Disposable Baby Diaper-Specification	Rate of Absorption per gush	Clause-7, 7.2 of IS:17509: 2021
110.	Disposable Baby Diaper-Specification	Rewet under load test	Clause-7, 7.2 of IS:17509: 2021
111.	Garment & Apparel	Flammability of general Clothing Textiles	ASTM D 1230: 2022
112.	Garment & Apparel	Flammability of general Clothing Textiles	CPSC CFR 16 Part 1610
113.	Carpet & Rugs	Surface Flammability of Carpets & rugs	16 CFR 1630
114.	Carpet & Rugs,	Surface Flammability of Carpets & rugs	16 CFR 1631



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(formerly Centre for Laboratory Accreditation)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Toys and Similar Products</b>		
1.	Electrically Driven ride-on toys	Test for speed of electrically Driven ride-on toys	Cl.5.17 of IS 9873(P-1): 2019 /ISO 8124-1:2022
2.	Expanding Materials, Small parts, Projectile toys with stored Energy, mouth actuated toy, magnetic toys	Small Parts Test	Cl.5.2 of IS 9873 (P-1): 2019/ISO 8124-1:2022
3.	Large and Bulky toys	Tip-over test	Cl.5.24.3 of IS 9873(P-1): 2019//ISO 8124-1:2022
4.	Large and bulky toys, battery operated toys	Drop Test	Cl.5.24.2 of IS 9873 (P-1):2019 /ISO 8124-1:2022
5.	Pompoms Toys	Test for Pompoms	Cl. 5.5 of IS 9873 (P-1): 2019/ISO 8124-1:2022
6.	Pre-school play figures Toys	Template test	Cl. 5.6 of / IS:9873(P-1): 2019/ ISO 8124-1:2022
7.	Projectiles toys	Kinetic energy test	Cl. 5.15.1, of IS 9873-1: 2019// ISO 8124-1:2022
8.	Ride-on toys and stationary toys	Stability and overload tests	Cl. 5.12 of IS:9873(P-1):2019/ ISO 8124-1:2022
9.	Teethers and teething toys	Teether and Teething toys	ASTM F963 Clause 4.22
10.	Heavy Immobile Toys /	Test for overload of ride on toy and toy seat	ASTM F963 Clause 4.15 /8.28
11.	Stability of stationary floor toy/Toys intended to bear the	Test for Stability of ride on toy	ASTM F963 Clause 4.15 /8.15
12.	mass of child	Drop Test	ASTM F963 Clause 8.7.1

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[www.qai.org.in](http://www.qai.org.in)



238 of 248

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
Gurugram-122052, Haryana, India

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	<b>Toys and Similar Products</b>			
13.	Heavy Immobile Toys / Stability of stationary floor toy/Toys intended to bear the mass of child	Torque test for removal of components	ASTM F963 Clause 8.8	
14.		Tension Test	ASTM F963 Clause 8.9	
15.		Tests for Tire Removal and Snap- in Wheel and Axle Assembly Removal	ASTM F963 Clause 8.11	
16.		Flexure Test	ASTM F963 Clause 8.12	
17.		Test for mouth actuated toys and mouth actuated projectile toys	ASTM F963 Clause 8.13	
18.		Small balls and projectiles Toys	Small Balls Test	Cl. 5.4 of IS:9873 (P-1): 2019 / ISO 8124-1:2022
19.		Soft filled toys, beanbag-type toys and other similar filled toys, pompoms, toys with projections, metal wires and rods and projectile toys	Tension Test	Cl. 5.24.6 of IS 9873(P-1): 2019/ ISO 8124-1:2022
20.	Squeeze toys, rattles, fasteners, and certain other toys	Test for shape and Size of certain toys	Cl.5.3 of IS 9873 (P-1): 2019/ ISO 8124-1:2022	
21.	Toy pushchairs, perambulators and similar toys	Test for Folding or Sliding Mechanisms Other toys with folding mechanisms	Cl.5.22 of IS 9873(P-1): 2019/ ISO 8124-1:2022	

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[www.qai.org.in](http://www.qai.org.in)



239 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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Valid from: 07 March 2025

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Toys and Similar Products</b>		
22.	Toy scooters	Test for static Strength for toy scooters	Cl. 5.26 of IS 9873 (P-1): 2019/ISO 8124-1:2022
23.	Toys with projectiles	Test for length of Suction cup projectiles	Cl. 5.37 of IS 9873 (P-1): 2019/ ISO 8124-1:2022
24.	Toys	Accessibility of a part or component	Cl. 8.10 (Clause 4.5, 4.7, 4.8, 4.10.2, 4.10.4, 4.15.1.3, 4.215.2 and 5.7 OF EN 71-1:2014+A1:2018
25.	Toys with brake function	Brake performance test	Cl. 8.26(Clause 4.15.1.5) OF EN 71-1:2014+A1: 2018
26.	Toys with brake function	Test for brake Performance for toys scooters	Cl. 5.28 of IS 9873 (P-1):2019 /ISO 8124-1:2022
27.	Toys with Breakaway feature	Breakaway feature separation test	Cl. 8.38 (Clause 5.4.2, 5.4.3 and 5.14) OF EN 71-1:2014+A1:2018
28.	Toys	Compression test	Cl. 8.8 (Clause 4.6, 4.14.2, 4.22, 4.23.2, 4.25, 5.1, 5.10, 5.12, 5.13 and A.39 OF EN 71-1:2014+A1: 2018
29.	Toys	Compression Test	Cl.8.10 of ASTM F 963-2023
30.	Toys with cord	Cords cross-sectional dimension	Cl. 8.20 (Clause 5.4.7) OF EN 71-1:2014+A1: 2018
31.	Toys with sound function	Determination of emission sound pressure levels	Cl. 8.28 (Exclude 8.28.2.7)/Clause 4.20 OF EN 71-1:2014+A1: 2018
32.	Ride-on toys	Determination of maximum design speed of electrically driven ride-on toys	Cl. 8.29 (Clause 4.15.1.2, 4.15.1.5, 4.15.1.8 and 5.6) OF EN 71-1:2014+A1: 2018

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[www.qai.org.in](http://www.qai.org.in)



240 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Toys and Similar Products</b>		
33.	Toys	Drop test	Cl. 8.5 (Clause 4.5, 4.6, 4.10.2, 4.14.2, 4.22, 4.23.2, 4.25, 5.1, 5.10, 5.12 and 5.13) OF EN 71-1:2014+A1: 2018
34.	Mouth-actuated toys	Test for durability of mouth-actuated toys	Cl. 8.17 (Clause 4.11 and A.44) OF EN 71-1:2014+A1:2018
35.	Ride-on toys	Dynamic strength test	Cl. 8.22 (Clause 4.15.1.3) OF EN 71-1:2014+A1: 2018
36.	Toys	Test for expanding materials	Cl. 8.14 (Clause 8.6) OF EN 71-1:2014+A1: 2018, ASTM F963-23 clause 4.40
37.	Toys	Flammability test (General Requirement)	Cl.5.1/4.1, IS 9873-2: 2017/ISO 8124-2:2023
38.	Toys	Flammability test (Test relating to beards, moustaches, wigs, etc. made from hair, pile or material that behaves in a similar manner to hair (e.g. free-hanging ribbons, paper, cloth strands or other flowing elements) which protrude 50 mm or more from the surface of the toy)	Cl.5.2/4.2, IS 9873-2: 2017/ISO 8124-2:2023

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[www.qai.org.in](http://www.qai.org.in)



241 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Toys and Similar Products</b>		
39.	Toys	Flammability test (Test relating to beards, moustaches, wigs, etc. made from hair, pile or material that behaves in a similar manner to hair (e.g. free-hanging ribbons, paper, cloth strands or other flowing elements) which protrude less than 50 mm from the surface of the toy and full or partial moulded head masks	CI.5.3/4.2, IS 9873-2: 2017/ISO 8124-2:2023
40.	Toys	Flammability test (Test relating to flowing elements of toys to be worn on the head (except those cover 4.2.2 and 4.2.3), hoods, headdresses, etc. and masks not covered by 4.2.4 which partially or fully cover the head (e.g. fabric and cardboard masks, eye masks, face masks), toy disguise costumes and toys intended to be entered or worn by a child)	CI.5.4/4.2/4.3/4.4, IS 9873-2: 2017/ISO 8124-2:2023
41.	Toys	Flammability test (Test for soft-filled toys)	CI.5.5/4.3/4.5, IS 9873-2: 2017/ISO 8124-2:2023

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[www.qai.org.in](http://www.qai.org.in)



242 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Toys and Similar Products</b>		
42.	Toys	Flammability test	ASTM F 963: 2023, Cl.4.2 (Annex A5)/ 16 CFR 1500.44
43.	Toys with metallic wires	Flexibility of metallic wires	Cl. 8.13 (Clause 4.8 and A.41) OF EN 71-1:2014+A1: 2018
44.	Toys with metallic wires/rods	Flexure Test	Cl. 8.12 of ASTM F963: 2023
45.	Toys with Folding or sliding mechanisms	Test for folding or sliding mechanisms	Cl. 8.18 (Clause 4.10.1 and A.45) OF EN 71-1:2014+A1: 2018
46.	Toys with geometric shape	Test for geometric shape of certain toys	Cl. 8.16(Claude 5.8, 5.11 and A.43) OF EN 71-1:2014+A1: 2018
47.	Toys	Impact test	Cl. 8.7 (Clause 4.5, 4.6, 4.10.2, 4.14.2, 4.22, 4.23.2, 4.25, 5.1, 5.10, 5.12, 5.13 and A.38) OF EN 71-1:2014+A1: 2018
48.	Toys	Tumble test for wheeled toys	Cl. 8.7.3 of ASTM F963: 2023
49.	Toys with projectiles	Test for kinetic energy of projectiles	Cl. 8.24 (Clause 4.17.3.1, 4.17.4.2) OF EN 71-1:2014+A1: 2018
50.	Liquid-filled toys	Test for leakage of liquid-filled toys	Cl. 5.19 of IS 9873 (P-1): 2019/ISO 8124-1:2022
51.	Length of cords, chains and electrical cables	Test for length of cords, chains and electrical cables	Cl. 8.40 (Clause 5.4.2, 5.4.3, 5.4.5 and 5.4.6) OF EN 71-1:2014+A1: 2018
52.	Toys with projectiles	Test for length of suction cup projectiles	Cl. 8.44 OF EN 71-1:2014+A1: 2018

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[www.qai.org.in](http://www.qai.org.in)



243 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Toys and Similar Products</b>		
53.	Toys with magnets	Test for magnetic flux index	Cl. 8.35 (Clause 4.23.2 and 4.23.3) OF EN 71-1:2014+A1: 2018
54.	Toys with temperature function	Test for measurement of temperature rises	Cl. 8.30 (Clause 4.21) OF EN 71-1:2014+A1: 2018
55.	Toys with cords and chains	Test for Perimeter of cords and chains	Cl. 8.36 (Clause 5.4.4) OF EN 71-1:2014+A1: 2018
56.	Toys with Plastic sheeting	Plastic sheeting thickness test	Cl. 8.25(Clause see 4.3, 5.3 and 6.0 OF EN 71-1:2014+A1: 2018
57.	Toys with Self-retracting cords	Test for self-retracting cords	Cl. 8.39 (Clause 5.4.8) OF EN 71-1:2014+A1: 2018
58.	Toys	Test for sharpness of edges	Cl. 8.11(Clause 4.5, 4.7, 4.9, 4.10.2, 4.14.2, 4.15.1.3 and 5.1) OF EN 71-1:2014+A1: 2018 /Clause 4.7 ASTM F963-23 /CFR 1500.49
59.	Toys	Test for sharpness of points	Cl. 8.12 (Clause 4.5, 4.8, 4.9, 4.10.2, 4.14.2, 4.15.1.3, 5.1 and A.40) OF EN 71-1:2014+A1: 2018
60.	Toys	Small balls and suction cups test	Cl. 8.32 (Clause 4.17, 4.22, 4.25, 5.10 and 5.13) OF EN 71-1:2014+A1: 2018
61.	Toys	Small parts test	Cl. 8.2 (Clause 4.6, 4.11, 4.18, 4.23.2, 4.23.3, 4.25, 5.1, 5.2 and A.36) OF EN 71-1:2014+A1: 2018, ASTM F963-2023, Clause 4.6/ 16 CFR 1501

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[www.qai.org.in](http://www.qai.org.in)



244 of 248



# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Scope of Accreditation

**METS Laboratories India Private Limited**

Plot No. 244, Sector-07, IMT Manesar,  
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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Toys and Similar Products</b>		
62.	Toy with Soaking ability	Soaking test	Cl. 8.9 (Clause 4.11, 4.23.2, 5.1, 5.10 and 5.12) OF EN 71-1:2014+A1: 2018
63.	Toys	Stability test	Cl. 8.23 OF EN 71-1:2014+A1: 2018
64.	Toys	Static strength	Cl. 8.21 (Clause 4.15.1.3, 4.15.1.5, 4.15.3, 4.15.4 and A.46) OF EN 71-1:2014+A1: 2018
65.	Toy Scooter	Test for strength of toy scooter steering tubes	Cl. 8.27 (Clause 4.15.5.3) OF EN 71-1:2014+A1: 2018
66.	Toy Scooter	Strength of toy scooters steering tubes	Cl. 5.29 of IS 9873 (P-1): 2019 /ISO 8124-1:2022
67.	Toys	Tension test	Cl. 8.4 (Clause A37) OF EN 71-1:2014+A1: 2018
68.	Toys with magnets	Tension test for magnets	Cl. 8.34 (Clause 4.23.2 and A.51) OF EN 71-1:2014+A1: 2018
69.	Play figures	Test for play figures	Cl. 8.33(Clause 5.11) OF EN 71-1:2014+A1: 2018
70.	Mouth-Actuated Toys and Mouth- Actuated Projectile Toys	Test Methods for Mouth-Actuated Toys and Mouth-Actuated Projectile Toys	Cl.8.13 of ASTM F963: 2023
71.	Large/Bulky Toys	Tip over test	Cl. 8.6 (Cause 4.10.2, 4.22, 4.23.2, 5.1, 5.10, 5.12 and 5.13) OF EN 71-1:2014+A1: 2018
72.	Large/Bulky Toys	Tip over Test for Large, Bulky Toys	Cl.8.7.2, ASTM F963: 2023

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[www.qai.org.in](http://www.qai.org.in)



245 of 248

# Quality And Accreditation Institute

## Centre for International Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Toys and Similar Products</b>		
73.	Toy with chest lids	Test for toy chest lids	Cl. 8.31(Clause 4.14.1 c) OF EN 71-1:2014+A1: 2018
74.	Ball	Test for Yo-Yo balls measurements	Cl. 5.38 of IS 9873(P-1): 2019/ISO 8124-1:2022
75.	Ball	Test for Yo-Yo balls measurements	Cl. 8.37 (Clause 4.24) OF EN 71-1:2014+A1 :2018
76.	Toys containing a Heat source	Test for temperature increase	Cl.5.18 of IS 9873 (P-1): 2019/ISO 8124-1:2022
77.	Toys having acoustic requirements	Sound pressure level test	Cl. 5.25 (exclude 5.25.2.5) /4.29 ( of IS 9873(P-1): 2019/ISO 8124-1:2022
78.	Toys having edges, points, holes, clearances and accessibility of mechanisms, Springs	Test for Accessibility of Part or component	Cl. 5.7 of IS 9873 (P-1): 2019/ /ISO 8124-1:2022
79.	Toys having edges, points, holes, clearances and accessibility of mechanisms, Springs	Test for Accessible point	ASTM F 963-2023, Clause 4.9/16 CFR 1500.48
80.	Toys having metal wires and rods	Flexure Test	Cl. 5.24.8 of IS 9873(P-1): 2019/ /ISO 8124-1:2022
81.	Toys with edges, metal wires and rods	Sharp-Edge Test	Cl. 5.8 of IS 9873 (P-1): 2019/ISO 8124-1:2022
82.	Toys with simulated protective equipment such as helmets, hats and goggles	Test for impact test for toys that cover the face	Cl. 5.14 of IS 9873 (P-1):2019 /ISO 8124-1:2022 / ASTM F963 Cl.8.7.4: 2023

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[www.qai.org.in](http://www.qai.org.in)



246 of 248

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Toys and Similar Products</b>		
83.	Toys with accessible and non-accessible flat surface	Compression Test	Cl. 5.24.7 of IS 9873(P-1): 2019/ISO 8124-1:2022
84.	Toys with braking requirements, mechanically and electrically powered ride on toys other than toy bicycles	Brake performance Test	Cl. 5.16.2, Cl. 5.16.3 of IS 9873(P-1): 2019 /ISO 8124-1:2022
85.	Toys with Closures, chest Lid, Doors and similar devices	Test for Closures Test for Lid support Durability test for toy chest lids	Cl.5.13 of IS 9873(P-1): 2019/ /ISO 8124-1:2022
86.	Toys with cords and elastics	Test for cords	Cl. 5.11(exclude 5.11.6) (cl. 4.11 and 4.33) of IS 9873(P-1): 2019/ISO 8124-1:2022
87.	Toys with Expanding materials	Test for expanding Materials	Cl.5.21 of IS 9873(P-1): 2019//ISO 8124-1:2022
88.	Toys with magnetic and magnetic components	Impact test for Magnets	Cl. 5.33 of IS 9873(P-1): 2019/ISO 8124-1:2022
89.	Toys with magnetic and magnetic components	Magnetic Flux Index Test	Cl. 5.32 of IS:9873 (P-1):2019/ ISO 8124-1:2022
90.	Toys with magnetic and magnetic components	Test for flux density measurement	ASTM F963 Clause 4.38/8.25/ 16 CFR 1262
91.	Toys with magnetic and magnetic components	Tension test for magnets	Cl. 5.31.1, Cl. 5.31.2, Cl. 5.31.3 of IS 9873(P-1): 2019//ISO 8124-1:2022
92.	Toys with magnetic and magnetic components	Soaking test for Magnet	Cl. 5.34 of IS 9873 (P-1):2019 /ISO 8124-1:2022

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247 of 248

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	<b>Toys and Similar Products</b>		
93.	Washable Toys	Washing test	Cl. 5.23 of IS:9873 (P-1): 2019/ISO 8124-1:2022
94.	Wheeled ride- on toys other than toys scooters	Dynamic strength test for wheeled ride- on toys other than toys scooters	Cl. 5.24.4. of IS:9873(P-1):2019 /ISO 8124-1:2022

