

Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Vardan Envirolab LLP

Plot No. 82 A, Sector-5, IMT Manesar
Gurugram-122051, 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/2024/0052

Valid from: 29 May 2024

Valid until: 28 May 2026

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA

User is advised to verify the current scope of accreditation by visiting our website: www.qai.org.in



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
1.	Leather & leather products	2,4- Xylidine	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
2.	Leather & leather products	2,4,5-trimethylaniline	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
3.	Leather & leather products	4-methoxy-m-phenylenediamine	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
4.	Leather & leather products	2, 4-toluenediamine/ 4-methyl-m-phenylenedi-amine	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
5.	Leather & leather products	2,6- Xylidine	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
6.	Leather & leather products	2-amino-4-nitroluene/ 5-nitro-o-toluidine	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
7.	Leather & leather products	2-methoxyaniline or o-anisidine	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
8.	Leather & leather products	2-naphthylamine	IS 582 part-5 Sec-1: 2018
9.	Leather & leather products	3,3-dichlorobenzidine	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
10.	Leather & leather products	3,3-dimethyl-4,4-Diaminophenylmethane/ 4, 4, mrthylenedi-o-tuluidine	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
11.	Leather & leather products	3, 3-dimethoxybenzidine	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
12.	Leather & leather products	3,3 dimethylbenzidine	IS 582 part-5 Sec-1: 2018

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
13.	Leather & leather products	4,4, methylen-bis (2-chloraniline)	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
14.	Leather & leather products	4,4-Diaminodiphenylmethane	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
15.	Leather & leather products	4,4-oxidianiline	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
16.	Leather & leather products	4,4-thiodianiline	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
17.	Leather & leather products	4-aminoazobenzene	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
18.	Leather & leather products	4-aminobiphenyl	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
19.	Leather & leather products	4-chloro-toluidine	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
20.	Leather & leather products	Benzidine	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
21.	Leather & leather products	o-aminoazotoluene	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
22.	Leather & leather products	o-toluidine	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
23.	Leather & leather products	p-chloroaniline	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015
24.	Leather & leather products	p-cresidine	IS 582 part-5 Sec-1: 2018 ISO 17234-1:2015

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
25.	Leather & leather products	Determination of Chromium (VI) Content in Leather	IS 16259: 2014 ISO 17075:2007
26.	Leather & leather products	Formaldehyde	IS 16297-1: 2014 ISO 17226-1: 2008
27.	Leather & leather products	Pentachlorophenol	IS 14575:1999
28.	Leather & leather products	Bis (tributyltin) oxide)	IS 16981:2018 ISO/TS 16179:2012
29.	Leather & leather products	Dibutyltin	IS 16981:2018 ISO/TS 16179:2012
30.	Leather & leather products	Dibutyltin dichloride	IS 16981:2018 ISO/TS 16179:2012
31.	Leather & leather products	Diocetyl tin	IS 16981:2018 ISO/TS 16179:2012
32.	Leather & leather products	Monobutyltin	IS 16981:2018 ISO/TS 16179:2012
33.	Leather & leather products	Monooctyltin	IS 16981:2018 ISO/TS 16179:2012
34.	Leather & leather products	Tributyltin	IS 16981:2018 ISO/TS 16179:2012
35.	Leather & leather products	Triphenyltin	IS 16981:2018 ISO/TS 16179:2012
36.	Leather & leather products	Dimethyl fumarate	IS 16991:2018 ISO/TS 16186: 2012

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
37.	Leather & leather products	Butylbenzylphthalate	IS 16915:2018 ISO/TS 1681:2011
38.	Leather & leather products	Di-(2-ethyhexyl)-phthalate	IS 16915:2018 ISO/TS 1681:2011
39.	Leather & leather products	Di-iso-decylphthalate	IS 16915:2018 ISO/TS 1681:2011
40.	Leather & leather products	Di-iso-nonylphthalate	IS 16915:2018 ISO/TS 1681:2011
41.	Leather & leather products	Di-isobutyl phthalate	IS 16915:2018 ISO/TS 1681:2011
42.	Leather & leather products	Di-n- octylphthalate	IS 16915:2018 ISO/TS 1681:2011
43.	Leather & leather products	Dibutylphthalate	IS 16915:2018 ISO/TS 1681:2011
44.	Leather & leather products	Nickel Release	BS EN 1811: 2023
45.	Textile & textile products	Formaldehyde	IS 14563 -1 :2021 ISO 14184-1: 2011
46.	Textile & textile products	2,4,5-trimethylaniline	IS 15570: 2005
47.	Textile & textile products	2,4- Xylidine	IS 15570: 2005
48.	Textile & textile products	4-methoxy-m-phenylenediamine	IS 15570: 2005
49.	Textile & textile products	2,4-toluenediamine/ 4-methyl-m-phenylenedi-amine	IS 15570: 2005

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
50.	Textile & textile products	2,6- Xylidine	IS 15570: 2005
51.	Textile & textile products	2-amino-4-nitroluene/ 5-nitro-o-toluidine	IS 15570: 2005
52.	Textile & textile products	2-methoxyaniline/ o-anisidine	IS 15570: 2005
53.	Textile & textile products	2-naphthylamine	IS 15570: 2005
54.	Textile & textile products	3,3-dichlorobenzidine	IS 15570: 2005
55.	Textile & textile products	3,3-dimethyl-4,4-diaminophenylmethane / 4,4, methylenedi-o-tuluidine	IS 15570: 2005
56.	Textile & textile products	3,3-dimethoxybenzidine	IS 15570: 2005
57.	Textile & textile products	3,3-dimethylbenzidine	IS 15570: 2005
58.	Textile & textile products	4,4, methylen-bis(2-chloraniline)	IS 15570: 2005
59.	Textile & textile products	4,4-Diaminodiphenylmethane	IS 15570: 2005
60.	Textile & textile products	4,4-oxidianiline	IS 15570: 2005
61.	Textile & textile products	4,4-thiodianiline	IS 15570: 2005
62.	Textile & textile products	4-aminoazobenzene	IS 15570: 2005
63.	Textile & textile products	4-aminobiphenyl	IS 15570: 2005
64.	Textile & textile products	4-chloro-toluidine	IS 15570: 2005
65.	Textile & textile products	Benzidine	IS 15570: 2005
66.	Textile & textile products	o-aminoazotoluene	IS 15570: 2005
67.	Textile & textile products	o-toluidine	IS 15570: 2005
68.	Textile & textile products	p-chloroaniline	IS 15570: 2005
69.	Textile & textile products	p-cresidine	IS 15570: 2005

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
70.	Textile & textile products	Basic Red 9	IS 16914-2: 2018, ISO 16373-2:2014
71.	Textile & textile products	Disperse blue 1	IS 16914-2: 2018, ISO 16373-2:2014
72.	Textile & textile products	Disperse blue 102	IS 16914-2: 2018, ISO 16373-2:2014
73.	Textile & textile products	Disperse blue 106	IS 16914-2: 2018, ISO 16373-2:2014
74.	Textile & textile products	Disperse blue 124	IS 16914-2: 2018, ISO 16373-2:2014
75.	Textile & textile products	Disperse blue 26	IS 16914-2: 2018, ISO 16373-2:2014
76.	Textile & textile products	Disperse blue 3	IS 16914-2: 2018, ISO 16373-2:2014
77.	Textile & textile products	Disperse blue 35	IS 16914-2: 2018, ISO 16373-2:2014
78.	Textile & textile products	Disperse blue 7	IS 16914-2: 2018, ISO 16373-2:2014
79.	Textile & textile products	Disperse brown 1	IS 16914-2: 2018, ISO 16373-2:2014
80.	Textile & textile products	Disperse orange 1	IS 16914-2: 2018, ISO 16373-2:2014
81.	Textile & textile products	Disperse orange 3	IS 16914-2: 2018, ISO 16373-2:2014

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
82.	Textile & textile products	Disperse orange 37/59/76	IS 16914-2: 2018, ISO 16373-2:2014
83.	Textile & textile products	Disperse red 1	IS 16914-2: 2018, ISO 16373-2:2014
84.	Textile & textile products	Disperse red 11	IS 16914-2: 2018, ISO 16373-2:2014
85.	Textile & textile products	Disperse red 17	IS 16914-2: 2018, ISO 16373-2:2014
86.	Textile & textile products	Disperse yellow 3	IS 16914-2: 2018, ISO 16373-2:2014
87.	Textile & textile products	Disperse yellow 39	IS 16914-2: 2018, ISO 16373-2:2014
88.	Textile & textile products	Disperse yellow 9	IS 16914-2: 2018, ISO 16373-2:2014
89.	Textile & textile products	Disperse yellow 1	IS 16914-2: 2018, ISO 16373-2:2014
90.	Textile & textile products	Disperse yellow 23	IS 16914-2: 2018, ISO 16373-2:2014
91.	Textile & textile products	Disperse yellow 49	IS 16914-2: 2018, ISO 16373-2:2014
92.	Textile & textile products	Navy blue	IS 16914-2: 2018, ISO 16373-2:2014
93.	Textile & textile products	Acid red 114	IS 16914-2: 2018, ISO 16373-2:2014

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
94.	Textile & textile products	Disperse Orange 11	IS 16914-2: 2018, ISO 16373-2:2014
95.	Textile & textile products	Direct Red 28	IS 16914-2: 2018, ISO 16373-2:2014
96.	Textile & textile products	Direct Black 38	IS 16914-2: 2018, ISO 16373-2:2014
97.	Textile & textile products	Acid Red 26	IS 16914-2: 2018

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather		
1.	Leather & leather products	Color fastness rubbing	IS 6191 (P- 4): 2018 ISO 11640: 2012
2.	Leather & leather products	Color fastness to perspiration	IS 6191 (Part 6):2023 ISO 11641:2012
3.	Leather & leather products	Color fastness to water (for lace) (Contact method)	IS 6191 (Part 2):2017 ISO 11642: 2012



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
1.	Textile & textile products	pH	IS 1390: 2022 ISO 3071: 2020
2.	Textile & textile products	Color fastness to rubbing (crocking), scale rate with 10 rubs on dry or wet	ISO 105-X12: 2016



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
1.	Leather & leather products	Construction	IS 15844 (Part-1):2023 clause- 4.2
2.	Leather & leather products	Toe spring height	IS 15844 (Part-1):2023 Annex-B
3.	Leather & leather products	Upper to mid sole Bond performance	IS 15844 (Part-1):2023 Annex-C
4.	Leather & leather products	Upper to composite sole Bond performance	IS 15844 (Part-1):2023 Annex-C
5.	Leather & leather products	Out sole to mid bond performance sole	IS 15844 (Part-1):2023 Annex-C
6.	Leather & leather products	Energy absorption at seat region	IS-15298 (Part-2): 2016 clause- 6.2.4
7.	Leather & leather products	Complete shoe flexing	IS 8085 (Part-16): 2023 ISO 24266: 2020
8.	Leather & leather products	Washability	IS 8085 (Part-15): 2023 ISO 19954: 2003
9.	Leather & leather products	Slip Resistance, coefficient of friction (COF)	Annex E of IS 15844 (Part 1): 2023
10.	Leather & leather products	Flexing resistance	IS 5914 (Part 6/Sec 1): 2023/ ISO 5402-1: 2022
11.	Leather & leather products	Tear strength	IS 5914 (Part 5/Sec 2): 2023/ ISO 3377-2: 2016
12.	Leather & leather products	Water vapour permeability	IS 15298 (Part 1):2015 clause-6.6 ISO 20344: 2011
13.	Leather & leather products	Water vapour coefficient	IS 15298 (Part 1):2015 clause-6.8 ISO 20344: 2011
14.	Leather & leather products	Stitch tear strength	LP 8 of IS 5914: 1970
15.	Leather & leather products	Tear strength	IS 15298 (Part 1):2015 clause-6.3

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			ISO 20344: 2011
16.	Leather & leather products	Abrasion resistance (Martindale type)	IS 15298 (Part 1):2015 clause-6.12 ISO 20344: 2011
17.	Leather & leather products	Thickness (insole)	IS 15298 (Part 1):2015 clause-7.1 ISO 20344: 2011
18.	Leather & leather products	Abrasion resistance (at 400 cycle)	IS 15298 (Part 1):2015 clause-7.3 ISO 20344: 2011
19.	Leather & leather products	Flexing index	IS 15844 (Part 1): 2023 Annex 'F'
20.	Leather & leather products	a) Water absorption, mg/cm ² b) Water desorption, % (insole)	IS:15298 (Part-1): 2015 clause-7.2 ISO 20344: 2011
21.	Leather & leather products	Thickness (insock)	IS 15298 (Part 1): 2015 clause-7.1 ISO 20344: 2011
22.	Leather & leather products	a) Water absorption, mg/cm ² b) Water desorption, % (insock)	IS:15298 (Part-1): 2015 clause-7.2 ISO 20344: 2011
23.	Leather & leather products	Flexing resistance belt method at 90 diameter mandrels	IS 8085 (Part 4): 2019 ISO 16177: 2012
24.	Leather & leather products	Bennewart method, cut growth	IS 15844 (Part 1): 2023 Annex 'D'
25.	Leather & leather products	Hydrolysis resistance, cut growth after 150 000 flexes	IS 15298 (Part 1) :2015 clause-8.5 ISO 20344: 2011
26.	Leather & leather products	Compression set	IS 15844 (Part 1): 2023 Annex 'G'
27.	Leather & leather products	Split tear strength	IS 15844 (Part 1): 2023 Annex 'H'
28.	Leather & leather products	Heat shrinkage	IS 15844 (Part 1): 2023 Annex 'J'
29.	Leather & leather products	First dry collapsing load, hardness	IS 7554:2009
30.	Leather & leather products	Resilience	IS 7554:2009

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
31.	Leather & leather products	Moisture resistance	IS 7554:2009
32.	Leather & leather products	Initial dry area shape retention	IS 7554:2009
33.	Leather & leather products	Area shape retention after 10 th collapse, dry	IS 7554:2009
34.	Leather & leather products	Peel strength	IS 8085 (Part 18): 2023/ ISO 22777: 2004/ IS 15844 (Part 1): 2023
35.	Leather & leather products	Shear strength	ISO 22776: 2004/ IS 8085 (Part 19): 2023
36.	Leather & leather products	Limit of useful extension	IS 8085 (Part 12): 2023/ ISO 10765: 2010
37.	Leather & leather products	Breaking strength of lace	IS 15844 (Part 1): 2023 annex-k
38.	Leather & leather products	Lace tag strength	IS 15844 (Part 1): 2023 annex-L
39.	Leather & leather products	Lace to lace abrasion	IS 8085 (Part 17): 2023/ ISO 22774: 2004
40.	Leather & leather products	Strength of Buckle/Ski hook	IS 15844 (Part 1): 2023 annex-M
41.	Leather & leather products	Corrosion resistance (Metal parts)	IS 17098: 2019
42.	Leather & leather products	Heel Drop	IS 15844 (Part-2):2023
43.	Leather & leather products	Tensile strength	IS 5914 (Part 8): 2023/ ISO 3376: 2020
44.	Leather & leather products	Elongation at break, %	IS 5914 (Part 8): 2023/ ISO 3376: 2020
45.	Leather & leather products	Water penetration and water	IS 15298 :2015 (Part 1) 6.13

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
		absorption after 60 Minutes Water absorption %,	ISO 20344: 2011
46.	Leather & leather products	Strength at needle perforation	Method 'A' of IS 8085 (Part 13): 2023/ ISO-17697: 2016
47.	Leather & leather products	Flexing resistance, no crack/damage to coating/ lamination/upper material till prescribed cycles	IS 8085 (Part 20): 2023/ ISO-17694: 2016
48.	Leather & leather products	Tear strength for sole	IS 15298 (Part 1): 2015
49.	Leather & leather products	Peel strength, n/mm (Stiffener)	IS 15844 (Part 1): 2023 annex-C
50.	Leather & leather products	Length of Hawaii Chappal	IS 10702: 2023 Annex-A
51.	Leather & leather products	Thickness (bottom material)	IS 10702: 2023 Annex-B
52.	Leather & leather products	Density g/cm ³ (Bottom material)	IS 10702: 2023 Annex-C
53.	Leather & leather products	Compression set at constant stress	IS 10702: 2023 Annex-D
54.	Leather & leather products	Split tear strength	IS 10702: 2023 Annex-E
55.	Leather & leather products	Shrinkage at 100 °C ± 1 °C for 1 h for polymeric material	IS 10702: 2023 Annex-F
56.	Leather & leather products	Abrasion resistance (mm ³)	IS 15298 (Part 1): 2015
57.	Leather & leather products	Density, g/cm ³ (strap material)	IS 10702: 2023 Annex-C
58.	Leather & leather products	Breaking strength i) Starp to strap ii) Toe portion to strap	IS 10702: 2023 Annex-G

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
59.	Leather & leather products	Elongation at break %	IS 10702: 2023 Annex-G
60.	Leather & leather products	Minimum cross section of the stud	IS 10702: 2023 Annex-A/B
61.	Leather & leather products	Stud bolt (thickness)	IS 10702: 2023 Annex-A/B
62.	Leather & leather products	Stud bolt (diameter)	IS 10702: 2023 Annex-A/B
63.	Leather & leather products	Toe post attachment strength	IS 10702: 2023 Annex-H
64.	Leather & leather products	Attachment strength of rear strap	IS 10702: 2023
65.	Leather & leather products	Inter layer bond strength	IS 15298 (Part 1): 2015 ISO 20344: 2011
66.	Leather & leather products	Flexing endurance	IS 8085 (Part 20): 2023 ISO 17694: 2016
67.	Leather & leather products	Abrasion resistance	IS 8085 (Part 6) : 2021, IS 6721: 2023
68.	Leather & leather products	Density, g/mm ³	IS 5914 (Part-4): 2023/ ISO 2420: 2017
69.	Leather & leather products	Grain crack index	IS 5914 (Part 7): 2023 ISO 3378: 2002
70.	Leather & leather products	Abrasion resistance	IS 6721: 2023 annex-B
71.	Leather & leather products	Flexing resistance, At 30 000 Flexes (Belt method at 90° diameter mandrel)	IS 8085 (Part 4): 2019 ISO 16177: 2012
72.	Leather & leather products	Bond strength	IS 15298-1: 2015 ISO 20344: 2011
73.	Leather & leather products	Toe post attachment strength	IS 6721: 2023 Annex-C

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Scope of Accreditation

Vardan Envirolab LLP

Plot No. 82 A, Sector-5, IMT Manesar

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QAI/CIA/TL/2024/0052

Valid from: 29 May 2024

Valid until: 28 May 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
74.	Leather & leather products	Toe ring attachment strength	IS 6721: 2023 Annex-C
75.	Leather & leather products	Strap to outsole strength	IS 8085 (Part 11): 2023/ ISO-24263: 2020
76.	Leather & leather products	Attachment strength of back strap and D-ring N	IS 6721: 2023 Annex-D
77.	Leather & leather products	Attachment strength of elastic, limit of useful extension	IS 8085 (Part 12): 2023/ ISO-10765: 2010
78.	Leather & leather products	Attachment strength of back strap and Velcro, N	IS 6721: 2023 Annex-D
79.	Leather & leather products	Heel pull off strength, N	IS 8085 (Part 10): 2023/ ISO-22650: 2018
80.	Leather & leather products	Inter layer bond strength	IS 15298-1: 2015 ISO: 20344: 2011
81.	Leather & leather products	Slip resistance, coefficient of friction (COF)	Annex E of IS 15844 (Part 1): 2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
1.	Plastics and plastic products	Hydrolysis resistance (After ageing at 70°C and 95 percent RH for 7 days)	IS 16645: 2018/ ISO 5423: 1992
2.	Plastics and plastic products	Hydrolysis resistance (maximum cut growth at 50000 flex)	IS 16645: 2018/ ISO 5423: 1992
3.	Plastics and plastic products	Hydrolysis resistance, cut growth after 150 000 flexes	Annex B and Annex E of IS 16645: 2018 ISO 5423: 1992

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber and Rubber Products		
1.	Rubber and rubber products	Tensile strength (Outsole)	IS 3400 (Part 1): 2021/ ISO 37: 2017
2.	Rubber and rubber products	Elongation at break %	IS 3400 (Part 1): 2021/ ISO 37: 2017
3.	Rubber and rubber products	Flexing resistance (maximum cut growth at 50000 flex)	IS 3400 (Part 16): 1974
4.	Rubber and rubber products	Density (other than leather)	IS 3400 (Part 9): 2020/ ISO 2781: 2018
5.	Rubber and rubber products	Abrasion resistance (Volume loss)	IS 3400 (Part 3): 2021/ ISO 4649: 2017
6.	Rubber and rubber products	Abrasion resistance (Volume loss mm ³)	IS 3400 (Part 3): 2021/ ISO 4649: 2017

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
1.	Textile materials	Breaking strength	IS 7016 (Part 2) Method 1: 2022 ISO 1421: 2016
2.	Textile materials	Elongation at break %	IS 7016 (Part 2) Method 1: 2022 ISO 1421: 2016
3.	Textile materials	Bursting Strength	IS 1966 (Part 2): 2022/ ISO 13938-2: 2019
4.	Textile materials	Tear strength	Method B of IS 7016 (Part 3/Sec 1): 2022/ ISO 4674 (Part 1): 2016 IS 5914 (Part 5/Sec 2): 2023/ ISO 3377 (Part-2) 2016 IS 8085 (Part 9): 2023 ISO 17696: 2004

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