

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

JBS Testing Solutions

Plot No. 27, Street No. 2, Adjoining Focal Point Road, Transport Nagar,
Jalandhar-144004, Punjab, 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/2024/0048

Valid from: 09 April 2024

Valid until: 08 April 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
	Textile		
1.	Agro textiles – Laminated woven orchard protection covers	Ash content	IS 17731:2021, Table 1, Annex D
2.	Agro textiles – Nylon knitted seamless gloves for tobacco harvesters	pH value of aqueous extract	IS 1390:2022, clause 5.3
3.	Agro textiles – Polypropylene spun bonded non-woven crop covers	Ash content	IS 16718:2021 Clause 7.1, Table 2, Annex-D
4.	Agro textiles – Polypropylene spun bonded non-woven mulch mat for agricultural	Ash content	IS 17355:2020 Clause 6.1, Table 1, Annex C
5.	Disposable baby diaper specification (IS 17509:2021)	pH	IS 1390:2022, Clause 7.1
6.	Disposable baby diaper	Di-n-butyl phthalate (DBP)	IS 9873 (Part 6):2021
		Benzyl Butyl phthalate (BBP)	IS 9873 (Part 6): 2021
		Bis-(2-ethyl hexyl) phthalate (DEHP)	IS 9873 (Part 6): 2021
		Di-n-octyl phthalate (DNOP)	IS 9873 (Part 6): 2021
		Di-iso-nonyl phthalate (DINP)	IS 9873 (Part 6): 2021
		Di-iso-decyl phthalate (DIDP)	IS 9873 (Part 6): 2021
		Di-isobutyl phthalate (DIBP)	IS 9873 (Part 6): 2021
7.	Geosynthetics – Geocells – specification part 2 – slope erosion protection application	Carbon black content	IS 2530:1963, Clause 6.2



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
8.	Geosynthetics – Geocells – specification part 1 – load bearing application	Carbon black content	IS 2530:1963, Clause 6.2
9.	Footwear and footwear product	Colour fastness to rubbing (crocking)	ISO 105 X12:2016
10.	Footwear and footwear product	Colour Fastness to light	IS/ISO 105B02: 2014
11.	Footwear and footwear product	Colour fastness to perspiration (acidic and alkaline) a) Colour change b) Staining	IS/ISO 105-E04: 2013
12.	Footwear and footwear product	Colour fastness to washing a) Colour change b) Staining	IS/ISO 105-C06: 2010
13.	Footwear and footwear product	Light a Change in colour	IS/ISO 105-B01 or IS/ISO 105-B02: 2014
14.	Footwear and footwear product	Washing, Test 2 a) Change in colour b) Staining	IS/ISO 105- C10: 2006
15.	Geosynthetics – Reinforced HDPE membrane for effluents and chemical resistance lining	Carbon black content	IS 2530:1963, Clause 5.3, Table 1
16.	Geosynthetics – Reinforced HDPE membrane for effluents and chemical resistance lining	Carbon black dispersion	IS 2530:1963, Clause 5.3, Table 2

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	Textile		
17.	Geosynthetics – Reinforced HDPE membrane for effluents and chemical resistance lining	Ash content	IS 17374:2020, Table 1 Annex G
18.	Geosynthetics – Reinforced HDPE membrane for effluents and chemical resistance lining	Resistance to chemical test	IS 17374:2020, Clause 5.4. Table 2, Annex H
19.	Geosynthetics – High density polypropylene (HDPE) geomembranes for lining (IS 16352:2020)	Carbon black content	IS 2530, Table 1, 2
20.	Geosynthetics – High density polypropylene (HDPE) geomembranes for lining (IS 16352:2020)	Carbon black dispersion	IS 2530, Table 1, 3
21.	Medical textile – Bedsheet and pillow cover – specification	pH	IS 1390:1963, Clause 7.1
22.	Reusable sanitary pad/ sanitary napkin/ period panties	pH	IS 1390:1963, Clause 9.1
23.	Reusable sanitary pad/ sanitary napkin/ period panties	phthalate test	IS 9873, Part 6:2021, Clause 7.6
24.	Sanitary napkins	Cover/ Top sheet	IS 5405:2019, Clause 3.1
25.	Sanitary napkins	pH	IS 1390:2022 (Cold method), Clause 7.1
26.	Sanitary napkins/ Reusable sanitary pad	Di-n-butyl phthalate (DBP)	IS 9873 (Part 6):2021
		Benzyl Butyl phthalate (BBP)	IS 9873 (Part 6):2021

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
		Bis-(2-ethyl hexyl) phthalate (DEHP)	IS 9873 (Part 6):2021
		Di-n-octyl phthalate (DNOP)	IS 9873 (Part 6):2021
		Di-iso-nonyl phthalate (DINP)	IS 9873 (Part 6):2021
		Di-iso-decyl phthalate (DIDP)	IS 9873 (Part 6):2021
		Di-isobutyl phthalate (DIBP)	IS 9873 (Part 6):2021
27.	Textiles – High density polyethylene (HDPE)/ polypropylene (PP) woven sacks for packing of 50 kg /25 kg	Ash content	IS 1969 (Part 1):2018, Table 1 Annex D
28.	Textiles – High density polyethylene (HDPE)/ polypropylene (PP) woven Sacks for filling sand	Ash content	IS 14252:2015, Table 1 Annex D
29.	Textiles – High density polyethylene (HDPE)/ polypropylene (PP) woven sacks for packing 10 kg, 15 kg, 20 kg, 25 kg	Ash content	IS 16298:2017, Table 1 Annex D
30.	Textiles – High density polyethylene (HDPE)/ polypropylene (PP) woven sacks for packing of 50 kg food grains	Ash content	IS 14887:2014, Table 1 Annex D
31.	Textile open weave coir bhoovastra	Residual pesticides (sum parameters)	IS 15651:2006, Table 1, Annex D

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
32.	Textile open weave coir bhoovastra	pH of aqueous extract	IS 8391 (Part 1):2019
33.	Textile open weave coir bhoovastra	Free and releasable formaldehyde	IS 14563 (Part 1 and 2):2021
34.	Textile open weave coir bhoovastra	Extractable heavy metals by artificial acidic sweat	IS 15651:2006, Table 1, Annex A
		Antimony (Sb)	IS 15651:2006, Table 1, Annex A
		Arsenic (As)	IS 15651:2006, Table 1, Annex A
		Lead (Pb)	IS 15651:2006, Table 1, Annex A
		Cadmium (Cd)	IS 15651:2006, Table 1, Annex A
		Mercury (Hg)	IS 15651:2006, Table 1, Annex A
		Chromium total	IS 15651:2006, Table 1, Annex A
		Cobalt (Co)	IS 15651:2006, Table 1, Annex A
		Copper (Cu)	IS 15651:2006, Table 1, Annex A
		Nickel (Ni)	IS 15651:2006, Table 1, Annex A
35.	Textile open weave coir bhoovastra	Pentachlorophenol (PCP); CAS no. 87-86-5,	IS 15651:2021, Table 1, Annex B
36.	Textile open weave coir bhoovastra	Banned arylamines from azo dyes	IS 15570:2005, Clause 6.5, Table 2
		4-amino biphenyl	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		Benzidine	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		4-chloro-o- toluidine	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		2-naphthyl amine	IS 582 Part 5/sec 1:2018 & IS 15570:2005

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
		o-amino azotoluene	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		2-amino-4- nitrotoluene	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		p-chloro aniline	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		2,4-diamino anisole	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		4,4'-diamino diphenyl methane	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		3,3'-dichloro benzidine	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		3,3'-dimethoxy benzidine	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		3,3'-dimethyl benzidine	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		3,3'dimethyl- 4,4'-diamino diphenyl methane	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		p-cresidine	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		4,4'- methylen-bis (2-chlor aniline)	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		4,4'- oxydianiline	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		4,4'- thiodianiline	IS 582 Part 5/sec 1:2018 & IS 15570:2005

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	Textile		
		o-toluidine	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		2,4-toluylen diamine	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		2,4,5- trimethyl aniline	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		2,4-dimethyl aniline	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		2,6-dimethyl aniline	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		2-methoxy aniline	IS 582 Part 5/sec 1:2018 & IS 15570:2005
		4-aminoazo benzene	IS 582 Part 5/sec 1:2018 & IS 15570:2005
37.	Textile – Jute bags for packing 50 kg food grains	pH of aqueous extract	IS 12650:2003 IS 16258:2015
38.	Textile – Jute bags for packing upto 30 kg food grains	pH of aqueous extract	IS 9113:2012

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather		
1.	Footwear and footwear product	Colour fastness rubbing	IS 6191 (Part 4): 2018

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
2.	Footwear and footwear product	Colour fastness to water	IS 6191 (Part 2): 2017
3.	Footwear and footwear product	Washability	IS 8085 (Part 15): 2023/ISO 19954: 2003
4.	Footwear for men and women for municipal scavenging work	Volatility and lead content (Pb) when PVC is the polymer	IS 16994:2018; Clause 8.4, IS 12240 (Part 4 and 5):1988
5.	Footwear for men and women for municipal scavenging work	Restriction of colour when PVC is used as polymer	IS 16994:2018; IS 12240 (Part 4 and 5):1988
6.	Polyvinyl chloride (PVC) industrial boots	Volatility	IS 12240:1988 (Part 4), Clause 6.1
7.	Polyvinyl chloride (PVC) industrial boots	Lead content	IS 12240:1988 (Part 5), Clause 6.1

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous and Restricted Chemicals		
1.	Footwear and footwear product / Textile and its product	Disperse blue 3	IS 16914 (Part 2 & 3):2018, Table 1
		Disperse blue 7	IS 16914 (Part 2 & 3):2018, Table 1
		Disperse blue 26	IS 16914 (Part 2 & 3):2018, Table 1
		Disperse blue 102	IS 16914 (Part 2 & 3):2018, Table 1
		Disperse brown 1	IS 16914 (Part 2 & 3):2018, Table 1
		Disperse yellow 1	IS 16914 (Part 2 & 3):2018, Table 1
		Disperse yellow 9	IS 16914 (Part 2 & 3):2018, Table 1
		Disperse yellow 39	IS 16914 (Part 2 & 3):2018, Table 1
		Disperse yellow 49	IS 16914 (Part 2 & 3): 2018, Table 1

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous and Restricted Chemicals		
		Disperse orange 1	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse red 11	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse red 17	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse yellow 7	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse yellow 56	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse red 151	IS 16914 (Part 2 & 3): 2018, Table 1
		Solvent red 23	IS 16914 (Part 2 & 3): 2018, Table 1
		Navy blue	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse blue 1	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse blue 35	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse blue 106	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse blue 124	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse yellow 3	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse orange 3	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse orange 37/59/76	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse red 1	IS 16914 (Part 2 & 3): 2018, Table 1
		Basic red 9	IS 16914 (Part 2 & 3): 2018, Table 1
		Violet3	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse yellow 23	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse blue 3	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse blue 7	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse blue 26	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse blue 102	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse brown 1	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse yellow 1	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse yellow 9	IS 16914 (Part 2 & 3): 2018, Table 1

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous and Restricted Chemicals		
		Disperse yellow 39	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse yellow 49	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse orange 1	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse red 11	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse red 17	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse yellow 7	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse yellow 56	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse red 151	IS 16914 (Part 2 & 3): 2018, Table 1
		Solvent red 23	IS 16914 (Part 2 & 3): 2018, Table 1
		Navy blue	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse blue 1	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse blue 35	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse blue 106	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse blue 124	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse yellow 3	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse orange 3	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse orange 37/59/76	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse red 1	IS 16914 (Part 2 & 3): 2018, Table 1
		Basic red 9	IS 16914 (Part 2 & 3): 2018, Table 1
		Violet3	IS 16914 (Part 2 & 3): 2018, Table 1
		Disperse yellow 23	IS 16914 (Part 2 & 3): 2018, Table 1
2.	Footwear and footwear product / Textile and its product	Benzidine	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		4-chloro-o- toluidine	IS 582 P-5/Sec-1:2018 & IS 15570:2005

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous and Restricted Chemicals		
		2-naphthyl amine	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		o-amino azotoluene	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		2-amino-4- nitrotoluene	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		p-chloro aniline	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		2,4-diamino anisole	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		4,4'-diamino diphenyl methane	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		3,3'-dichloro benzidine	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		3,3'- dimethoxy benzidine	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		3,3'-dimethyl benzidine	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		3,3'dimethyl-4,4'-diamino diphenyl methane	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		p-cresidine	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		4,4'-methylen-bis (2-chlor aniline)	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		4,4'- oxydianiline	IS 582 Part 5/Sec-1:2018 & IS 15570:2005

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous and Restricted Chemicals		
		4,4'-thiodianiline	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		o-toluidine	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		2,4-toluylen diamine	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		2,4,5-trimethyl aniline	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		2,4-dimethyl aniline	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		2,6-dimethyl aniline	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		2-methoxy aniline	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
		4-aminoazo benzene	IS 582 Part 5/Sec-1:2018 & IS 15570:2005
3.	Footwear and footwear product / Textile and its product	Chromium (VI)	IS 16259:2014, Table 1 (IS 17011:2018)
4.	Footwear and footwear product / Textile and its product	Dimethyl furarate (DMFU)	IS 16259: 2014, Table 1 (IS 17011: 2018) IS 582 (P-5/Sec-1): 2018, IS 15570: 2005
5.	Footwear and footwear product / Textile and its product	Formaldehyde	IS 16297 (Part 2):2022, Table 1 (IS 17011:2018), IS 582 (P-5/Sec-1):2018, IS 15570:2005

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous and Restricted Chemicals		
6.	Footwear and footwear product / Textile and its product	Organotin compound: Dibutyltin	IS 16981:2018, Table 1 (IS 7011:2018)
		Organotin compound: Dibutyltin dichloride	IS 16981:2018, Table 1 (IS 7011:2018)
		Organotin compound: Dioctyltin	IS 16981:2018, Table 1 (IS 7011:2018)
		Organotin compound: Monobutyltin	IS 16981:2018, Table 1 (IS 7011:2018)
		Organotin compound: Tributyltin	IS 16981:2018, Table 1 (IS 7011:2018)
		Organotin compound: Triphenyltin	IS 16981:2018, Table 1 (IS 7011:2018)
		Organotin compound: Monoctyltin	IS 16981:2018, Table 1 (IS 7011:2018)
		Organotin compound: Bis (tributyltin) oxide	IS 16981:2018, Table 1 (IS 7011:2018)
7.	Footwear and footwear product / Textile and its product	PCP-TeCP- TriCPPolychlorophenol	IS 14575:1999, Table 1 (IS 17011:2018)
8.	Footwear and footwear product / Textile and its product	pH	IS 16258:2015, Table 1 (IS 17011:2018)
9.	Footwear and footwear product / Textile and its product	Di-butyl phthalate (DBP)	IS 16915:2018, Table 1 (IS 17011:2018)
		Butylbenzyl phthalate (BBP)	IS 16915:2018, Table 1 (IS 17011:2018)

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous and Restricted Chemicals		
		Di-(2-ethyl hexyl) phthalate (DEHP)	IS 16915:2018, Table 1 (IS 17011:2018)
		Di- <i>n</i> -octyl phthalate (DNOP)	IS 16915:2018, Table 1 (IS 17011:2018)
		Di-iso-nonyl phthalate (DINP)	IS 16915:2018, Table 1 (IS 17011:2018)
		Di-iso-decyl phthalate (DIDP)	IS 16915:2018, Table 1 (IS 17011:2018)
		Di-isobutyl phthalate (DIBP)	IS 16915:2018, Table 1 (IS 17011:2018)
10.	Footwear and footwear product / Textile and its product	Nickel, on skin contact	IS EN 1811 Table 1 (IS 17011:2018)
11.	Footwear for men and women for municipal scavenging work	Volatility and lead content (Pb) when PVC is the polymer	IS 16994:2018; Clause 8.4, IS 12240 (Part 4 and 5):1988
12.	Footwear for men and women for municipal scavenging work	Restriction of colour when PVC is used as polymer	IS 16994:2018; IS 12240 (Part 4 and 5):1988
13.	Moulded PVC Unit Outsole Specification	Volatility (Percentage by mass)	IS 6719: 1972
14.	Polyvinyl chloride (PVC) Industrial boots	Volatility	IS 12240 (Part 4):1988, Clause 6.1
15.	Polyvinyl chloride (PVC) Industrial boots	Lead content	IS 12240 (Part 5):1988, Clause 6.1
16.	Sports footwear (General Purpose)	Corrosion resistance	IS 17098:2019

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous and Restricted Chemicals		
17.	Textile – Protective gloves for firefighters – specification	Leather chromium VI	IS 16259:2014

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Material		
1.	Agro textiles -high density polyethylene (HDPE) laminated woven lay flat tube for irrigation purpose-specification	Manufacture and lamination, coating thickness, thickness of sandwich lamination	IS 16190: 2014, 5.1.,5.2
2.	Agro textiles - High density polyethylene (HDPE) laminated woven lay flat tube for irrigation purpose -specification	Internal diameter and overlap	IS 16190: 2014, 6.1
3.	Agro textiles - High density polyethylene (HDPE) laminated woven lay flat tube for irrigation purpose-specification	Retention of breaking strength after UV exposure of 500 h	IS 16190: 2023/ IS 14887:2014, 6.0, Table2, Annex B
4.	Agro textiles - High density polyethylene (HDPE) laminated woven lay flat tube for irrigation purpose- specification	Accelerated ageing test for 72 h	IS 7016 (Part 8): 2023, 6.0, Table2
5.	Agro textiles - High density polyethylene (HDPE) laminated	Welded seam strength after UV exposure	IS 16190:2014, 6.8

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Material		
	woven lay flat tube for irrigation purpose -specification		
6.	Disposable baby diaper specification (IS 17509:2021)	Material	IS 17509:2021, Clause 3
7.	Disposable baby diaper specification (IS 17509:2021)	Top cover or the top sheet	IS 17509:2021, Clause 3.1
8.	Disposable baby diaper specification (IS 17509:2021)	Absorbent core	IS 17509:2021, Clause 3.2
9.	Disposable baby diaper specification (IS 17509:2021)	Fastening and securing mechanism	IS 17509:2021, Clause 4
10.	Disposable baby diaper specification (IS 17509:2021)	Manufacture workmanship and finish	IS 17509:2021, Clause 5
11.	Disposable baby diaper specification (IS 17509:2021)	Type and size	IS 17509:2021, Clause 6
12.	Disposable baby diaper specification (IS 17509:2021)	Performance requirements	IS 17509:2021, Clause 7
13.	Footwears & Footwear Products	Insole	IS 15844 (Part 1): 2023,5, Table 1, 4.6, Table 4
14.	Footwears & Footwear Products	Bond performance test	Annex C of IS 15844 (Part 1): 2023/ IS 15298 (Pt 1): 2015/ ISO 20344:2011, Cl 4.3.3,4.3.4,4.3.5
15.	Footwears & Footwear Products	Complete shoe flexing	IS 8085(Part 16): 2023/ISO 24266' Cl 5.1 (Method A)
16.	Footwears & Footwear Products	Tear strength	IS 5914 (Part 5/Sec 2): 2023 /ISO 3377-2:2016/ IS15298 Part 1:2015/

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Material		
			ISO 4674-1:2016 Cl 6.3,8.2
17.	Footwears & Footwear Products	Stitch tear strength	LP 8 of IS 5914: 1970
18.	Footwears & Footwear Products	Breaking strength	IS 7016 (Part 2): 2022 Method 1/ISO 1421: 2016/ISO 17706:2003, Cl 8.2.2
19.	Footwears & Footwear Products	Elongation at break	IS 7016 (Part 2): 2022, Method 1/ISO 1421: 2016/ ISO17706:2003/ IS 5914 (Part 8):2023/ISO 3376:2020/ IS 3400 Part 3;2021 ISO 37: 2017, Cl 3.3
20.	Footwears & Footwear Products	Hydrolysis resistance	IS 16645: 2018/ISO 5423: 1992/ IS 15298 (Part 1): 2015, Cl 5.8,6.10,8.5
21.	Footwears & Footwear Products	Bursting strength	IS 1966 (Part2): 2022/ ISO 13938-2: 2019 Cl 3.3
22.	Footwears & Footwear Products	Abrasion resistance/ test	IS 15298 (Part 1): 2015/IS 3400 (Part 3): 2021 / ISO 4649: 2017 Cl 6.12, 7.3, 8.3,3.1
23.	Footwears & Footwear Products	Flexing index	IS 15844 (Part 1): 2023 Annex 'F' (4.6, Table 4)
24.	Footwears & Footwear Products	Water absorption	IS 15298 (Part1): 2015 Cl. 7.2,5.1
25.	Footwears & Footwear Products	Water desorption	IS 15298 (Part1): 2015 Cl 7.2.5.2
26.	Footwears & Footwear Products	Flexing resistance	Belt Method IS 8085 (Part4): 2019 OR Bennewart Method, Annex D of IS 15844 Part- 1): 2023/ IS 8085 (Part 20): 2023/ISO 17694:2016/ 5914 (Part 6/ sec1): 2023/ISO 5402 (Part

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Material		
			1):2022/ ISO 16177: 2012/ISO 17707:2005/ Annex C & E of IS 16645:2018/ ISO 5423: 2018/IS 15298 (Part1):2015 Annex F (4.6, Table 4), Annex B&C, 8.4,6.5
27.	Footwears & Footwear Products	Compression set	IS 15844 (Part 1):2023 Annex G
28.	Footwears & Footwear Products	Split tear strength	IS 15844 (Part 1):2023 Annex H
29.	Footwears & Footwear Products	Heat shrinkage	IS 15844 (Part 1):2023 Annex J
30.	Footwears & Footwear Products	Resilience	IS 7554: 2009 A-3.4
31.	Footwears & Footwear Products	Moisture resistance	IS 7554: 2009 A-3.5
32.	Footwears & Footwear Products	a) Initial dry area shape retention	IS 7554: 2009 A-3.1
33.	Footwears & Footwear Products	b) Area shape retention after 10th collapse, dry	IS 7554: 2009 A-3.3
34.	Footwears & Footwear Products	Peel strength	IS 8085 (Part18): 2023/ISO22777: 2004/ IS 15844 (Part 1): 2023, CI 4.1, 4.2 Annex-C
35.	Footwears & Footwear Products	Shear strength	ISO 22776:2004/ IS 8085(Part 19): 2023, CI 4.1,4.2
36.	Footwears & Footwear Products	Limit of useful extension	IS 8085 (Part 12): 2023/ ISO 10765: 2010, CI 7.4,3.4

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Material		
37.	Footwears & Footwear Products	Breaking strength of lace	IS 15844 (Part 1): 2023, Annex 'K'
38.	Footwears & Footwear Products	Strength of lace tag	IS 15844 (Part 1): 2023, Annex 'L'
39.	Footwears & Footwear Products	Lace to lace abrasion	IS 8085 (Part 17): 2023/IS 22774: 2004, Method 1
40.	Footwears & Footwear Products	Strength of buckle/ski hook	IS 15844 (Part 1): 2023, Annex 'M'
41.	Footwears & Footwear Products	Design	IS 15844 (Part 1):2023, IS15844 (Part 2): 2023, 15844 (Part 3):2024/ IS 15298 (Pt 1)/ IS 15298 (Part3): 2018/ IS 15298 (Part4):2017, 5, 4
42.	Footwears & Footwear Products	Tensile strength	IS 5914 (Part 8):2023/ISO 3376: 2020/ISO 3400 Part1) ISO 37: 2017 Cl 3.3,7.2
43.	Footwears & Footwear Products	General	IS 15298 (Pt 1): 2015/ISO 20344: 2011 5.2.1
44.	Footwears & Footwear Products	Height of upper	IS 15298 (Pt 1): 2015/ISO 20344:2011, 6.2
45.	Footwears & Footwear Products	Leak proofness	IS 15298 (Pt 1): 2015/ISO 20344:2011, 5.7
46.	Footwears & Footwear Products	General	IS 15298 (Pt 1): 2015/ISO 20344:2011, 5.3.2.1
47.	Footwears & Footwear Products	Lining (vamp lining & quarter lining)	IS 15298 (Pt 1): 2015/ISO 20344: 2011 5.5
48.	Footwears & Footwear Products	Water vapour permeability/ coefficient	IS 15298 (Pt 1): 2015/ISO 20344: 2011 Cl 6.6

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Material		
49.	Footwears & Footwear Products	Insoles	IS 15298 (Pt 1): 2015/ISO 20344: 2011 7.3
50.	Footwears & Footwear Products	In socks	IS 15298 (Pt 1): 2015/ISO 20344: 2011 6.12
51.	Footwears & Footwear Products	Cut resistance footwear	IS 15298 (Pt 2): 2016,6.14, 6.2.8.4
52.	Footwears & Footwear Products	Height of upper	IS 15298 (Pt 1): 2015/ ISO 20344: 2011, 6.2
53.	Footwears & Footwear Products	Construction	IS 15298 (Pt 4): 2017, 5.3.1.1
54.	Footwears & Footwear Products	Water penetration	IS 15298 (pt 2): 2016, 6.3
55.	Footwears & Footwear Products	Protective cap	IS 15298 (Part 3): 2018 5.3.2.3
56.	Footwears & Footwear Products	Upper	IS 15298 (Part1): 2015, IS 15298 (Part3): 2018, IS 15298 (Part4): 2017 6.1,6.4,6.3, 6.6,6.8, 6.10
57.	Footwears & Footwear Products	Lining	IS 15298 (Part1): 2015, IS 15298 (Part3): 2018, IS 15298 (Part4): 2017, 6.3,6.6, 6.8,6.12
58.	Footwears & Footwear Products	Insoles/ Insocks	IS 15298 (Part 1): 2015, IS 15298 (Part3): 2018, IS 15298 (Part4) 2017 7.1,7.2,7.3, 6.12
59.	Footwears & Footwear Products	Counter stiffener	IS 7554: 2009, 7.6
60.	Footwears & Footwear Products	Outsole Heel	IS 16994: 2018,7.7

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Material		
61.	Footwears & Footwear Products	Finish of footwear	IS 16994: 2018, 9
62.	Footwears & Footwear Products	Consolidation test	IS 3400 (Part 5): 2022, 5.5.3
63.	Footwears & Footwear Products	Ergonomic features	IS 15298 (Part1): 2015, 5.1
64.	Footwears & Footwear Products	Lining	IS 17861: 2022, 5.8
65.	Footwears & Footwear Products	Material (Lining)	IS 17861: 2022, 5.8.1
66.	Footwears & Footwear Products	Breaking load	IS 4930(Part 3):1985/IS 1969 (Part1):2018 or IS 1969 (Part2):2018 /1969: 1985
67.	Footwears & Footwear Products	Insole	IS 17861: 2022, 5.12
68.	Footwears & Footwear Products	Insocks	IS 17861: 2022, 5.1
69.	Footwears & Footwear Products	Bond strength of textile layer and insock	ISO/TR 20882:2007
70.	Footwears & Footwear Products	Tongue	IS 17861: 2022, 5.1,5.7.1,5.8.1, 5.10.1, 5.12.1, 5.13.1
71.	Footwears & Footwear Products	Toe puff & counter stiffener	IS 17861: 2022, Cl 5.2,5.15
72.	Footwears & Footwear Products	Sole	IS 17861: 2022, Cl. 5.2,5.16
73.	Footwears & Footwear Products	Design	IS 17037:2018, 4.2

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Material		
74.	Footwears & Footwear Products	Size	IS 17037:2018, 4.3.1
75.	Footwears & Footwear Products	Weight	IS 17037:2018, 4.3.2
76.	Footwears & Footwear Products	Height of upper	IS 15298 (Part 1):2015, 6.2
77.	Footwears & Footwear Products	Construction	IS 17037:2018, 4.5.1
78.	Footwears & Footwear Products	Penetration resistant inserts	IS 15298 (Part 1):2015, EN 12568: 2010, 4.5.5
79.	Footwears & Footwear Products	Dimensions	IS 15298 (Part 1):2015/ IS 17012: 2018/ IS 17037:2018/IS 17861: 2022
80.	Footwears & Footwear Products	Stability against ageing and Environmental influence	IS 15298 (Part 2):2016, 6.2.1.5.2
81.	Footwears & Footwear Products	General	IS 17037:2018,4.5.6.1
82.	Footwears & Footwear Products	Impact resistance of footwear	IS 15298 (Part 1):2015, 4.5.6.3, 5.4
83.	Footwears & Footwear Products	Compression resistance of footwear	IS 15298 (Part 1):2015, 4.5.6.4
84.	Footwears & Footwear Products	Water resistance	IS 15298 (Part 1):2015, 5.15.1 or 5.15.2
85.	Footwears & Footwear Products	Vamp and quarter lining	IS 17037:2018, 4.7.1
86.	Footwears & Footwear Products	Counter and tongue lining	IS 17037:2018, 4.7.2

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Material		
87.	Footwears & Footwear Products	Additional test for counter and tongue lining	IS 17037:2018, 4.7.2
88.	Footwears & Footwear Products	Closing thread	IS 17037:2018, 4.1, IS 4910 (Part-3): 2023
89.	Footwears & Footwear Products	D-Rings and hooks	IS 17037:2018,4.2
90.	Footwears & Footwear Products	Tag retention	IS 15844: 2010, Annex H
91.	Jute agro textiles for growth of plants and suppression of weeds	Bursting strength	IS 1966 (Part 1):2022, 3.3
92.	Jute bags for packing up to 30 kg food grains	Hemming at the mouth	IS 16372:2015, 4.4
93.	Jute bags for packing up to 30 kg food grains	Capacity	IS 16372:2015, 4.1,5.1
94.	Jute bags for packing up to 30 kg food grains	Ends and picks	IS 9113:2012, 8.4.2
95.	Jute bags for packing up to 30 kg food grains	Average seam strength	IS 9113:2012, 8.7
96.	Protective clothing for firefighters	Seams	IS/ISO13935(Pt 1):2014, 4.2.4
97.	Sanitary napkins	Type and shape of sanitary napkins	IS 5405:2019, Clause 4
98.	Sanitary napkins	Sizes	IS 5405:2019, Clause 5
99.	Sanitary Napkins	Manufacture, workmanship and finish	IS 5405:2019, Clause 6



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Material		
100.	Textiles/Agro textiles/ jute bags/ High-Density Poly Ethylene (HDPE)	Tensile strength (grab), Warp way & Weft way	IS 1969 (Part 2):2018, Cl 3.2
101.	Textiles/Agro textiles/ jute bags/High-density poly ethylene (HDPE)/	Tear strength, warp way & weft way	IS 6489 (Part 1): 2011, Cl.5.1
102.	Textiles/Agro textiles/ jute bags/ High-Density Poly Ethylene (HDPE)	Linear density	IS 16190: 2023/IS 7703 (Part1): 1990/ IS 234:2013/ IS 16513:2016, 4.1
103.	Textiles/Agro textiles/ jute bags/High-Density Poly Ethylene (HDPE)/	Breaking strength before UV exposure	IS 1969 Part 1: 2018
104.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Elongation at break	IS 1969 Part 1: 2018/ IS 15891 (Part 3): 2011/ IS 13360 (Part 5/Sec1): 2021 and IS 13360 (Part5/Sec 3):2022/ IS 16635: 2017/ IS2076:1981/ IS 235:2023/ IS 1670:1991/ IS 7703 (Part 2): 1990
105.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Workmanship and finish	IS 16190: 2014/IS 17354:2020/ IS 17630:2021/IS 17514:2021/ IS 17731:2021/IS 17374:2020/ IS 15351:2015, 6.2,5.1,5.4, 7.1, 6.1
106.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Dimensions	IS 16190:2014/ IS 7702:2012/ IS 15891 (Part 2): 2011/ IS 7016 (part 1) 1982/ IS 3464:1986 / IS 17483 (Pt. 2):2021/ IS 9113:2012 /IS16208:2015/ IS 16390:2015/ IS

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Material		
			14887:2014, Annex E (3.1), 3
107.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Welded seam strength before UV exposure	IS 1969 (Part 1):2018
108.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Breaking strength	IS 9030:1979/ IS 15891 (Part 3):2011/ IS 1969 (Part 1):2018/ IS 16635:2017
109.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Freedom from defects	IS 16390:2015/IS 5061:2002/ IS 1943:1995/ IS 12650:2018/ IS 16372:2015/ IS 16186:2014/ IS 17623:2021/ IS 17264:2022/ IS 17265:2023,4.3,4.5
110.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Mass	IS 16390:2014, 5.1
111.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Bursting strength	IS 1966 (Part 1):2022, IS 1966 (part 2):2022, 3.3
112.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Retention of breaking strength after UV exposure	IS 1969(Part 1):2018/ IS 14252:2015 /IS17728:2021 /IS16208:2015/IS 16627: 2017 / IS/ISO 13935-2:2014, 6, Table 2
113.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Density	IS 13360 (Part 3)/Sec 10:2021, IS 13360 (Part 3)/Sec 11: 2021, IS 13360 (Part 3)/Sec 12: 2016, 6.2, Table 1

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Material		
114.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Retention of breaking strength after UV exposure	IS 17730 (Part 1):2021, 7.2 and Table 1, Annex B
115.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Tensile strength at break	IS 13360 (Part 5/Sec 1):2021 and IS 13360 (Part 5/Sec 3):2022
116.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Seam strength	IS/ISO 13935(Part1):2022/ IS 17729:2021, IS/ISO 13935 (Part 1): 2022, 6.1, Table 2
117.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Strain at maximum load	IS 16635:2017, 3.1, 3.3, 5.3-Table 1
118.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Tear Strength	IS 7016 (part 3):1981/ IS 6489 (Part 2):2011/IS 15909: 2020/ IS 15891 (Part 4): 2011, Table 1, Method A2
119.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Seam strength, percent of actual fabric strength	IS 15060:2018, 4.1.1, Table 1
120.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	UV resistance, strength retained after 500 h exposure	IS 13162 (Part 2):1991, 6.2, Table 1
121.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Accelerated ageing test for 72 h at 70 +10 C	IS 7016 (Part 8):2023, (Oven method) Table 2
122.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Dimensions Internal diameter	IS 16627:2017/IS 10014 (Part 1):1984, 6. 1& Table 1

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Material		
123.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Specific gravity	IS 2076:1981, Appendix A (Method A)
124.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Change of dimensioning after heating at 70°C for 2 h	IS 15909:2020, Annex R
125.	Textiles/Agro textiles/ jute bags/ High Density Poly Ethylene (HDPE)	Dimensions and tolerances	IS 15061:2002/ IS 9113:2012/ IS 14252:2015/ IS 1954:1990/ IS 2566: 1993/IS 16208:2015
126.	Textiles/Agro textiles/jute bags	Tensile strength	IS 2076:1981, Appendix-B
127.	Textiles/Agro textiles/jute bags	Ageing test at (70 ± 1) °C for 7 days	IS 7016 (Part 8) :2023, 4.2, 6.1, Table 2
128.	Textiles – A - twill jute bags - specification	Corrected mass per bag	IS 9113:201, 8.5.2
129.	Textiles – jute bags for packing 50 kg foodgrains	Construction and nominal mass of jute sacking	IS 12650:2018, 4.1
130.	Textiles – jute bags for packing 50 kg foodgrains	Manufacture	IS 12650:2018, 4.1
131.	Textiles – jute bags for packing 50 kg foodgrains	Avg side seam strength	IS 9113:2012, 8.7
132.	Textiles – Jute bags for packing 50 Kg foodgrains	Moisture regains	IS 9113:2012, 8.2
133.	Textiles –light weight jute sacking bags for packing 50 kg	Moisture regains	IS 9113:2012, 8.2
134.	Textiles –light weight jute sacking bags for packing 50 kg	Number of bags per bundle.	9113:2012, Visual

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Material		
135.	Textiles —light weight jute sacking bags for packing 50 kg	Number of joined bags per bundle of 25 bags.	9113:2012, Visual
136.	Textiles - Protective gloves for firefighters – specification	Glove sizing	IS 16874:2018, 4.4
137.	Textiles - Protective gloves for firefighters – specification	Flame resistance	IS 15758 (Part 4):2020, 6.2.1
138.	Textiles - Protective gloves for firefighters – specification	Marking and general information	IS 16874:2018, 7.0
139.	Textiles—Polyester staple fibres- specification	Cross section, cross sectional area, multi component fibres	IS 17263 :2022, 4.1.1, 4.1.2,4.2, 4.3
140.	Textiles — Polyester industrial yarns—specification	Identification and description	IS 667:1981, Annex H of IS 16481: 2022
141.	Textiles — Polyester industrial yarns—specification	Hot air shrinkage	IS 17264:2022, Annex F



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber and Rubber Products		
1.	Footwears & Footwear products	Ageing for whole footwear	IS 3976:2018, 5.2.6
2.	Footwears & Footwear products	Thread for upper closing	IS 3976:2018, Table 4, Annex B
3.	Footwears & Footwear products	Finish	IS 3976:2018, 5.4
4.	Footwears & Footwear products	Mass	IS 3976:2018, 5.5
5.	Footwears & Footwear products	Height of upper	IS 15298 (Pt 1):2015, 6.2
6.	Footwears & Footwear products	Impact Test	IS 15298 (Pt 1):2015, 5.4
7.	Footwears & Footwear products	Consolidation test	IS 3400 (Pt.5): 2022, 5.10 IS 3976
8.	Footwears & Footwear products	Thread For upper closing	IS 5557(Part2): 2018, Table 2 & Annex C
9.	Footwears & Footwear products	Hardness (IRHD)	IS 5557 (Part 2): 2018, Table 3 IS 3400 (Part2): 2014 IS 12240 Part 2: 1988
10.	Footwears & Footwear products	Change in initial hardness after accelerated ageing at 100±20C	IS 5557 (Part 2):2018, Table 3 IS 3400 (Part 4): 2012 IS 3400 (Part 2) 2014
11.	Footwears & Footwear products	Thickness	IS 5557(Part2): 2018, 7.7.1

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber and Rubber Products		
12.	Footwears & Footwear products	Adhesion test for rubberized textile upper	IS 3400 (Part 5):2022
13.	Footwears & Footwear products	Weight	IS 17012: 2018, 4.3.2
14.	Footwears & Footwear products	Material density	IS 17012: 2018, 4.11.1
15.	Footwears & Footwear products	Sole density	IS 17012: 2018, 4.14.3
16.	Footwears & Footwear products	Sole hardness – midsole	IS 13360 (Part 5/Sec 11), 4.14.6/IS 12240 (Part2):1988
17.	Footwears & Footwear products	Ageing test	IS 3400 (Part 2)2014 and (Part 4): 2012, 4.14.7
18.	Footwears & Footwear products	D-rings and hooks	IS 17012: 2018, 4.15
19.	Footwears & Footwear products	Material & length	IS 17012: 2018, 4.16.1
20.	Footwears & Footwear products	Breaking load	IS 1969 - 1 / 2 / IS 3976: 2018/IS 5557:2004, ANNEX B, 17012
21.	Footwears & Footwear products	Tag retention	IS 15844 (Part 1):2023, Annex H
22.	Footwears & Footwear products	Resistance to dry heat aging	IS 3400 (Part 4): 2012/ISO 23529/IS 13995:1995
23.	Footwears & Footwear products	Resistance to flexing of boot upper	IS 16645:2018, Annex B
24.	Footwears & Footwear products	Tensile properties	IS 3400 (Part 1):2021 / IS 5557:2018/ IS 15298 (Part 1): 2015/IS 15298 Part 4): 2017/ISO 37

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber and Rubber Products		
25.	Footwears & Footwear products	Hardness	IS 3400 (Part 2/Sec 3):2022/ISO 48:2018, 5.4
26.	Footwears & Footwear products	Cold flex temperature of the upper	ISO 458 (Part 1):1985, 5.5
27.	Footwears & Footwear products	Resistance of soiling to cut growth	IS 16645:2018, 5.6 Annex C
28.	Footwears & Footwear products	Split tear strength	IS 16645:2018, 5.7 Annex D
29.	Footwears & Footwear products	Energy absorption at seat region	IS 15298 Part 1: 2015, 5.14
30.	Footwears & Footwear products	Strength at needle perforation/ strength	IS 8085 Part 13, Method A
31.	Footwears & Footwear products	Size and fittings	IS 15844 (Part 2): 2023, 15844 (Part 3): 2024, 6
32.	Footwears & Footwear products	Requirements	IS 15844 (Part 2): 2023, 15844 (Part 3): 2024, 7
33.	Footwears & Footwear products	Sole performance	IS 15298 (Pt 1): 2015/ ISO 20344: 2011 5.3.1
34.	Footwears & Footwear products	Construction	IS 15298 (Pt 1): 2015/ ISO 20344: 2011 5.3.1.1
35.	Footwears & Footwear products	General	IS 15298 (Pt 1): 2015/ ISO 20344: 2011 5.3.2.1

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber and Rubber Products		
36.	Footwears & Footwear products	General	IS 15298 (Pt 1): 2015/ ISO 20344: 2011 5.4.1
37.	Footwears & Footwear products	Cut resistance	IS 15298 (Pt 4): 2016 6.14, 6.2.8.4
38.	Footwears & Footwear products	Use of Polymer/ Elastomer/ Rubber	IS 16994: 2018
39.	Footwears & Footwear products	Tear strength of outsole	IS 15298 (Part 1): 2015, IS 16994: 2018 Cl. 8.2, 7.1.1
40.	Footwears & Footwear products	Slip resistance	IS 15298 (Part 1):2015, Cl 5.11/IS 15844 (Part 1) ANNEX E
41.	Footwears & Footwear products	First dry collapsing load, hardness	IS 7554:2009 A-3.2.6
42.	Hawai chappal	Requirement	IS 10702: 2023, 4.0
43.	Hawai chappal	Dimensions/ Thickness	IS 10702: 2023/IS 15298 (Part 1) 2015/IS 1954:1990/IS 3976/IS 9543: 2015/IS 15298 (Part4): 2017/IS 5557: 2018/IS 17012: 2018/ IS 11544 :1986/IS 16645: 2018/IS 13995: 1995/ IS 5676: 1995, Cl. 5.5/IS 15844 Part 1: 2023, IS 15844 Part 2: 2023, IS 15844 Part 3: 2024
44.	Hawai chappal	Compression set	IS 10702: 2023, Annex D
45.	Hawai chappal/ Microcellular Rubber sheets for outsoles	Split tear strength,	IS 10702: 2023/IS 6664: 1992, Annex-E
46.	Hawai chappal	Shrinkage, polymeric material shrinkage, rubber,	IS 10702: 2023, Annex-F

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber and Rubber Products		
47.	Hawai chappal	Breaking strength, strap to strap solid strap, cellular strap	IS 10702: 2023, Annex 'G'
48.	Hawai chappal	Elongation at break, solid strap, cellular strap	IS 10702: 2023, Annex 'G'/IS 3400 (Part 1): 2021, Cl. 3.5
49.	Hawai chappal	Toe post attachment strength,	IS 10702: 2023, Annex H
50.	Hawai chappal	Attachment strength of rear strap	IS 15298: Part 1:2015
51.	Hawai chappal/ Footwears & Footwear products)	Bond strength	IS 15298 Pt 1: 2015
52.	Microcellular Rubber sheets for outsoles	Heat shrinkage	IS 6664: 1992, Annex G, 4.1.3 and 8.3 & Table-1
53.	Sandal and Slippers	Size and fittings	IS 6721: 2023/IS 1638, 5/IS 15844 Part 1: 2023, IS 15844 Part 2: 2023, IS 15844 Part 3:2024
54.	Sandal and Slippers	Construction	IS 6721: 2023, 6
55.	Sandal and Slippers	Material	IS 6721: 2023, 7
56.	Sandal and Slippers	Upper (Raw material requirement) –all materials	IS 6721: 2023, 8.1, Table 1
57.	Sandal and Slippers	Tear strength / Tear resistance	Method B of IS 7016 (Part 3/Sec 1) : 2017/ISO 4647-1 : 2016 or IS 8085 (Part 9)/ISO 17696 : 2004/IS 5914 (Part 5/Sec 2)/ISO 3377-2/IS 3400 (Part 12): 2022/IS 15298 PART 1) 2015/IS 15298 (Part 4): 2017
58.	Sandal and Slippers	For all moulded upper material	(For non-leather) IS 5914 (Part 5/Sec 2):2023/ISO 3377-2:2016 (For leather)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber and Rubber Products		
59.	Sandal and Slippers	Flexing resistance	IS 3400 (Part 16):1974
60.	Sandal and Slippers	Flexing endurance/ Flexing resistance	IS 8085 (Part 20):2023/ISO 17694: 2016/ IS 8085 (Part 4):2019/ISO 16177: 2017/IS 15298 part 1:2015/ IS 15844 (Part 1 Annex D) 2023/IS 15298 (Part 4) 2017
61.	Sandal and Slippers	Abrasion resistance	IS 8085 (Part 6): 2021/ISO 17704: 2004/IS 6721 ANNEX B
62.	Sandal and Slippers	Grain crack Index	IS 5914 (Part 7):2023/ISO 3378: 2002
63.	Sandal and Slippers	Density	IS 5914 (Part 4) /ISO 2420: 2017/ IS 3400 (Part 9):2020/ISO 2781: 2018/IS 10702: 2023, ANNEX C
64.	Sandal and Slippers	Abrasion resistance	IS 3400 PART 3: 2021/ISO 4649: 2017/IS 15298 (Part 1) 2015
65.	Sandal and Slippers	Flexing resistance	IS 6721: 2023, 8.4
66.	Sandal and Slippers	Toe post attachment strength	IS 6721: 2023, Annex C
67.	Sandal and Slippers	Toe ring attachment strength	IS 6721: 2023, Annex C
68.	Sandal and Slippers	Strap to outsole strength	IS 8085 (Part 11):2023/ISO 24263
69.	Sandal and Slippers	Attachment strength of back strap and Buckle /D-ring	IS 6721: 2023, Annex D
70.	Sandal and Slippers	Attachment strength of elastic, limit of useful extension	ISO 10765:2010/IS 8085 (Part12):2023/ISO 10765:2010
71.	Sandal and Slippers / Footweares & Footwear Products)	Hydrolysis resistance	IS 16645: 2018/ISO 5423:1992/IS 15298 Part 1) 2015/15298 Part 2) 2016, Annex-B and Annex-E
72.	Sandal and Slippers	Heel pull off strength	IS 8085 (Part 10):2023/ISO 22650: 2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Rubber and Rubber Products		
73.	Sandal and Slippers	Slip resistance	IS 15844(Part 1):2023, Annex- E
74.	Slipper, Rubber	Flexural endurance	IS 11544: 1986, Appendix B
75.	Slipper, Rubber	Fabrics sheeting	IS 11544: 1986, 3.2.4
76.	Slipper, Rubber	Mass	IS 1964:1970, Col (5) of Table 2
77.	Slipper, Rubber	Ends	IS 1963:1981, Col (5) of Table 2
78.	Slipper, Rubber	Picks	IS 1963:1981, Col (5) of Table 2
79.	Slipper, Rubber	Finish	IS 11544: 1986, 3.2.4.1
80.	Slipper, Rubber	Manufacture and thickness and width requirements of individual components	IS 11544: 1986, 3.2.6 (Table 3)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather products		
1.	Footwears & Footwear products	Mass	IS 11226: 1993, 5.5
2.	Footwears & Footwear products	Height of upper	IS 15298 (Part2):2016/IS 15298, 6.4 of IS 11226: 1993
3.	Footwears & Footwear products	Ergonomic feature	IS 15298 (Part 1):2015, CI 5.1
4.	Footwears & Footwear products	Upper-outsole bond strength	IS 15298 (Part 1):2015, CI 5.2
5.	Footwears & Footwear products	Slip resistance	IS 15298 (Part 1):2015, CI 5.11/IS 15844 (Part 1) ANNEX E
6.	Footwears & Footwear products	Tear strength	6.3 of IS 15298 (Part 1) and ISO 3377-2, CI 6.3
7.	Footwears & Footwear products	Tensile strength	IS 15298 (Part 1):2015, CI 6.4
8.	Footwears & Footwear products	Water vapour permeability and coefficient	IS 15298 (Part 1):2015, CI 6.6 and CI 6.8
9.	Footwears & Footwear products	Tear strength	IS 15298 (Part 1): 2015 and ISO 3377-2:2016, CI 6.3

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather products		
10.	Footwears & Footwear products	Abrasion resistance	IS 15298 (Part 1):2015, Cl 6.12
11.	Footwears & Footwear products	Thickness	IS 15298 (Part 1):2015, Cl 6.9.2 of IS 11226:1993
12.	Footwears & Footwear products	Abrasion resistance	IS 15298 (Part 1):2015 Cl. 8.3, IS 15298 pt 2: 2016, Cl 5.5.2
13.	Footwears & Footwear products	Thickness	IS 14544: 2022, Cl 6.1
14.	Footwears & Footwear products	Closing thread	IS 14544: 2022, Cl 6.13
15.	Footwears & Footwear products	Thickness, cleat area and cleat height	IS 15298 (Part 1)2015, Cl 8.1.2
16.	Footwears & Footwear products	Abrasion resistance	IS 15298 (Part 1)2015, Cl 8.3
17.	Footwears & Footwear products	Flexing resistance	IS 15298 (Part 1)2015, Cl 8.4
18.	Footwears & Footwear products	Breaking load	IS 1969 (Part 1) or IS 1969 (Part 2), Annex H of IS 15844, Cl .15.4
19.	Footwears & Footwear products	Weight	IS 17043: 2018, Cl 4.3.2
20.	Footwears & Footwear products	Height of upper	IS 15298 (Part 1)2015, Cl 6.2
21.	Footwears & Footwear products	Bond strength	IS 17043: 2018, Cl 4.5.3

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather products		
22.	Footwears & Footwear products	Upper outsole bond strength	IS 15298 (Part 1)2015, Cl. 5.2
23.	Footwears & Footwear products	Thickness of lining material	IS 17043: 2018, Cl. 4.7.1
24.	Footwears & Footwear products	Dimension/ Insoles	IS 17043: 2018, Cl 4.9
25.	Footwears & Footwear products	Thickness	IS 15298 (Part 1)2015, Cl 8.1
26.	Footwears & Footwear products	Energy absorption	IS 17043: 2018, Cl 4.5.8
27.	Footwears & Footwear products	Sole hardness- midsole	IS 13360 (Part 5/Sec 11)
28.	Footwears & Footwear products	Sole hardness- outsole	IS 3400 (Part 2)
29.	Footwears & Footwear products	Ageing test	IS 3400 (Part 2) and (Part 4)
30.	Footwears & Footwear products	Pull out requirement of eyelet	IS 17043: 2018, Annex B
31.	Footwears & Footwear products	Change in colour of eyelet	IS 17043: 2018, Annex C
32.	Footwears & Footwear products	Breaking load	IS 1969 (Part1) Or IS 1969 (Part2), Cl 4.15.2, IS 17043: 2018
33.	Footwears & Footwear products	Tag retention	IS 15844, Annex H
34.	Footwears & Footwear products	Mass	IS 1989 (Part 1):1986, Cl 11.1 to Cl 11.2 & Cl 17.1 to Cl 17.2

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather products		
35.	Footwears & Footwear products	Mass	IS 1989 (Part 2):1986, 10.1 to 16.4 & Cl 16.1 to Cl 16.4, IS 17043: 2018
36.	Footwears & Footwear products	Thickness	IS 15298 (Part -1): 2015, Cl. 6.1
37.	Footwears & Footwear products	Hardness	IS 12240 (Part 2): 1988, Cl 5.5.4
38.	Footwears & Footwear products	Additional – cold flex resistance (If required by purchaser)	ISO 4643:1992, Annex B
39.	Footwears & Footwear products	Adhesion of lining with upper	IS 3400 (Part 5):2022
40.	Footwears & Footwear products	Thickness	IS 12254:2021, Cl 5.9
41.	Footwears & Footwear products	Outsole density	IS 12240 (Part 3), Cl 5.11.2, IS 12254
42.	Footwears & Footwear products	Abrasion resistance	IS 15298 (Part 1), Cl 8.3
43.	Footwears & Footwear products	Sole hardness	Table 2, IS 12254, IS 12240 (Part 2)
44.	Footwears & Footwear products	Additional – Cold flex resistance (If required by purchaser)	ISO 4643:1992, Annex-C
45.	Footwears & Footwear products	Warp & weft	IS 1963: 1981, Cl 4
46.	Footwears & Footwear products	Ends & picks/dm	IS 1963:1981, Cl 4
47.	Footwears & Footwear products	Adhesion Test	IS 3736:1995, IS 3400 Part 5:2022, Cl 4.8

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather products		
48.	Footwears & Footwear products	Consolidation test	IS 3737: 1996, IS 3400 (Part – 5): 2022, Cl. 4.5
49.	Footwears & Footwear products	Mass & weight	IS 3737: 1996, IS 17861: 2022, Cl. 4.6
50.	Footwears & Footwear products	Thickness of material	IS 3736: 1995, Cl. 4.1.7.4, Table 6
51.	Footwears & Footwear products	Design	IS 3736: 1995, Cl. 4.2
52.	Footwears & Footwear products	Leg height	IS 3736: 1995, Cl. 4.3
53.	Footwears & Footwear products	Mass	IS 3736: 1995, Cl. 4.6
54.	Footwears & Footwear products	Consolidation test	IS 3736: 1995, IS 3400 (Part 1): 2022, Cl. 4.7
55.	Footwears & Footwear products	Adhesion Test	IS 3736: 1995, IS 3400 (Part 1): 2022, Cl. 4.8
56.	Footwears & Footwear products	Thickness	IS 5557: 2004, Cl 5.1.3 & Table-1
57.	Footwears & Footwear products	Composite strength	IS 5557: 2004, Cl 5.1.7.2
58.	Footwears & Footwear products	Flexing endurance	IS 5557: 2004, Table-4 & Annex-B
59.	Footwears & Footwear products	Leakage resistance test	IS 5557:2004, Cl 5.1.7.4
60.	Footwears & Footwear products	Consolidation test	IS 5557: 2004, Cl 5.1.7.5

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Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

JBS Testing Solutions

Plot No. 27, Street No. 2, Adjoining Focal Point Road, Transport Nagar,
Jalandhar-144004, Punjab, India

QAI/CIA/TL/2024/0048

Valid from: 09 April 2024

Valid until: 08 April 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		
61.	Footwears & Footwear products	Performance test	IS 5557: 2004, Annex-C
62.	Footwears & Footwear products	Height of boots	IS 5557: 2004, Cl 5.1.7.7
63.	Footwears & Footwear products	Thickness	IS 15298 (Part 1):2015, Cl 5.5
64.	Footwears & Footwear products	Relative density	IS 10702:2023, Annex C- 1
65.	Footwears & Footwear products	Hardness, degree, Shore A	IS 12240 (Part 2):1988
66.	Footwears & Footwear products	Abrasion resistance at applied force of 10 N (Volume loss)	IS 3400 (Part 3): 2021
67.	Footwears & Footwear products	Tear strength (average force)	IS 3400 (Part 12):2022, Method A
68.	Footwears & Footwear products	Thickness	IS 15298 (Part 1): 2015, Cl 4.2
69.	Footwears & Footwear products	Properties of whole footwear	IS 12254:2021, Cl 5.4
70.	Footwears & Footwear products	Leak proofness	IS 15298 (Part -1): 2015, Cl. 5.7
71.	Footwears & Footwear products	First dry collapsing load, hardness	IS 7554:2009 A-3.2.6

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