

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Atharva Laboratories Pvt. Ltd.

C-54, Hosiery Complex, Phase-2, Noida
Gautam Buddha Nagar-201305, Uttar Pradesh, 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/2024/0084

Valid from: 05 November 2024

Valid until: 04 November 2026

A handwritten signature in black ink, appearing to read 'Dr. Bhupendra'.

Dr. Bhupendra Kumar Rana
Chief Executive Officer

A handwritten signature in black ink, appearing to read 'Vikram'.

Prof. Vikram Kumar
Chair, CIA



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
1.	LED Display / TV	Luminance	Cl.4 of BEE schedule 26, Cl.6.5, IEC 62087-3
2.		Measurement of power consumption in Off mode, Partial On mode	CL.4 of BEE schedule 26, Cl 6.6, Cl 6.7 of IEC 62087-3
3.		On Mode Power consumption	BEE schedule 26, Cl.6.4, IEC 62087-3
4.		On Mode Power consumption	Cl.4 of BEE schedule 26, Cl.6.4, IEC 62087-1
5.		Standby Mode Power Consumption	Cl.4 of BEE schedule 26, Cl.5.3, IEC 62301
6.		Luminance	Cl.4 of BEE Schedule 26, Cl.5.1.7, IEC 62087-1
7.		Luminance	Cl.5 of BEE Schedule 11, Cl. 5.1.7 IEC 62087-1
8.		Luminance	Cl.5 of BEE Schedule 11, Cl. 6.5 IEC 62087-3
9.		On Mode Power consumption	Cl.5 of BEE Schedule 11, Cl. 6.4, IEC 62087-1
10.		On Mode Power consumption	BEE Schedule 11, Cl. 6.4, IEC 62087-3
11.		Standby Mode Power Consumption	Cl.5 BEE Schedule 11, IEC 62301
12.	Electronic Games (Video), Electronic Musical Systems with Input Power 200W & Above, Optical Disc Players	Normal operating condition	IS 616:2017; IEC 60065: 2014 (Clause 4.2, 4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.2.8, 4.2.9, 4.2.10, 4.2.10.1, 4.2.10.2, 4.2.11, 4.2.12 &



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
	with Built in Amplifiers of Input Power 200W & Above, PLASMA/LCD/LED Televisions of Screen Size 32"; & Above, Power Adaptors for Audio, Video & Similar Electronic Apparatus, Plasma/ LCD/LED Television of screen size up-to 32, Electronic Musical System with input power below 200 Watts, Television other than Plasma/ LCD/LED TVs, Video Camera & Webcam		4.2.13)
13.		Normal operating condition	IS 616:2017; IEC 60065: 2014 (Clause 4.2, 4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.2.8, 4.2.9, 4.2.10, 4.2.10.1, 4.2.10.2, 4.2.11, 4.2.12 & 4.2.13)
14.		Fault Condition	IS 616:2017; IEC 60065: 2014 (Clause 4.3.2, 4.3.3, 4.3.4, 4.3.5, 4.3.6, 4.3.7, 4.3.8, 4.3.9, 4.3.10, 4.3.11, 4.3.12, 4.3.13, 4.3.14, 4.3.15, 4.3.16 & 4.3.17)
15.		Marking & Instructions	IS 616:2017; IEC 60065: 2014 (Clause 5)
16.		General Requirements	IS 616:2017; IEC 60065: 2014 (Clause 5.1)
17.		Identification and supply ratings	IS 616:2017; IEC 60065: 2014 (Clause 5.2)
18.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 5.3)
19.		Caution marking	IS 616:2017; IEC 60065: 2014 (Clause 5.4)
20.		Instructions	IS 616:2017; IEC 60065: 2014 (Clause 5.5, 5.5.1, 5.5.2 & 5.5.3)
21.		Heating under normal operating conditions	IS 616:2017; IEC 60065: 2014 (Clause 7.1, 7.1.1, 7.1.2, 7.1.3, 7.1.4, 7.1.5 & 7.1.6)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
22.		Heat resistance of insulating material	IS 616:2017; IEC 60065: 2014 (Clause 7.2)
23.		Construction requirement with regard to the protection against electric shock	IS 616:2017; IEC 60065: 2014 (Clause 8 & 8.1)
24.		Operations by hand	IS 616:2017; IEC 60065: 2014 (Clause 8.2)
25.		Hygroscopic materials	IS 616:2017; IEC 60065: 2014 (Clause 8.3)
26.		Hygroscopic materials	IS 616:2017; IEC 60065: 2014 (Clause 8.3)
27.		Electric shock hazardous	IS 616:2017; IEC 60065: 2014 (Clause 8.4, 8.5, 8.6 & 8.7)
28.		Electric shock hazardous	IS 616:2017; IEC 60065: 2014 (Clause 8.8)
29.		Electric shock hazardous	IS 616:2017; IEC 60065: 2014 (Clause 8.9, 8.10, 8.11, 8.12, 8.13, 8.14, 8.15 & 8.16)
30.		Disconnection from the mains	IS 616:2017; IEC 60065: 2014 (Clause 8.18, 8.19 & 8.20)
31.		Test specifications of non-separable thin sheet material	IS 616:2017; IEC 60065: 2014 (Clause 8.21)
32.		Electric shock hazard under normal operating conditions	IS 616:2017; IEC 60065: 2014 (Clause 9.9.1, 9.1.1, 9.1.1.1 & 9.1.1.3)
33.		Determination of hazardous live parts	IS 616:2017; IEC 60065: 2014 (Clause 9.1.1.2)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
34.		Shafts of operating knobs, Handles, Levers and the like	IS 616:2017; IEC 60065: 2014 (Clause 9.1.2)
35.		Opening of the enclosure clause	IS 616:2017; IEC 60065: 2014 (Clause 9.1.3)
36.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.1.4)
37.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.1.5)
38.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.1.6)
39.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.1.7)
40.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.2)
41.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 10)
42.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 10.1)
43.		Surge test	IS 616:2017; IEC 60065: 2014 (Clause 10.2)
44.		Humidity test	IS 616:2017; IEC 60065: 2014 (Clause 10.3)
45.		Humidity test	IS 616:2017; IEC 60065: 2014 (Clause 10.3)
46.		Insulation resistance	IS 616:2017; IEC 60065: 2014 (Clause 10.4, 10.4.1 & 10.4.2)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
47.		Fault condition	IS 616:2017; IEC 60065: 2014 (Clause 11)
48.		Electric shock hazard	IS 616:2017; IEC 60065: 2014 (Clause 11.1)
49.		Heating test	IS 616:2017; IEC 60065: 2014 (Clause 11.2, 11.2.1, 11.2.2, 11.2.3, 11.2.4, 11.2.5, 11.2.6, 11.2.7 & 11.2.8)
50.		Mechanical strength	IS 616:2017; IEC 60065: 2014 (Clause 12)
51.		Complete apparatus	IS 616:2017; IEC 60065: 2014 (Clause 12.1)
52.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 12.1.1)
53.		Bump test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.2)
54.		Vibration test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.3)
55.		Impact test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.4)
56.		Drop test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.5)
57.		Stress relief test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.6)
58.		Fixing of actuating elements	IS 616:2017; IEC 60065: 2014 (Clause 12.2)
59.		Remote control devices held in	IS 616:2017; IEC 60065: 2014



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
		hand	(Clause 12.3)
60.		Drawer	IS 616:2017; IEC 60065: 2014 (Clause 12.4)
61.		Antenna coaxial sockets mounted on the apparatus	IS 616:2017; IEC 60065: 2014 (Clause 12.5)
62.		Telescoping or rod antennas	IS 616:2017; IEC 60065: 2014 (Clause 12.6, 12.6.1, 12.6.2)
63.		Apparatus containing coin/Button cell batteries	IS 616:2017; IEC 60065: 2014 (Clause 12.7)
64.		General	IS 616:2017; IEC 60065: 2014 (Clause 12.7.1)
65.		Construction requirements	IS 616:2017; IEC 60065: 2014 (Clause 12.7.2)
66.		Tests	IS 616:2017; IEC 60065: 2014 (Clause 12.7.3, 12.7.3.1, 12.7.3.2, 12.7.3.3, 12.7.3.4, 12.7.3.5 & 12.7.3.6)
67.		Compliance	IS 616:2017; IEC 60065: 2014 (Clause 12.7.4)
68.		Clearance & creepage distances	IS 616:2017; IEC 60065: 2014 (Clause 13 & 13.1)
69.		Determination of working voltage	IS 616:2017; IEC 60065: 2014 (Clause 13.2)
70.		Clearances	IS 616:2017; IEC 60065: 2014 (Clause 13.3, 13.3.1, 13.3.2 & 13.3.3)
71.		Measurement of transient voltages	IS 616:2017; IEC 60065: 2014 (Clause 13.3.4a)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
72.		Measurement of transient voltages	IS 616:2017; IEC 60065: 2014 (Clause 13.3.4b)
73.		Creepage distances	IS 616:2017; IEC 60065: 2014 (Clause 13.4)
74.		Jointed insulation	IS 616:2017; IEC 60065: 2014 (Clause 13.6)
75.		Enclosed and sealed parts	IS 616:2017; IEC 60065: 2014 (Clause 13.7 & 13.8)
76.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 15)
77.		Plug & sockets	IS 616:2017; IEC 60065: 2014 (Clause 15.1, 15.1.1, 15.1.2 & 15.1.3)
78.		Provisions for protective earthing	IS 616:2017; IEC 60065: 2014 (Clause 15.2)
79.		Terminals for external flexible cords and for permanent connection to the mains	IS 616:2017; IEC 60065: 2014 (Clause 15.3, 15.3.1, 15.3.2, 15.3.3, 15.3.4, 15.3.5, 15.3.6, 15.3.7, 15.3.8 & 15.3.9)
80.		Device forming a part of the mains plug	IS 616:2017; IEC 60065: 2014 (Clause 15.4, 15.4.1, 15.4.2 & 15.4.3)
81.		External flexible cord	IS 616:2017; IEC 60065: 2014 (Clause 16, 16.1, 16.2, 16.3, 16.4, 16.5, 16.6 & 16.7)
82.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17 & 17.1)
83.		Electric connection and	IS 616:2017; IEC 60065: 2014



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
		mechanical fixing	(Clause 17.2)
84.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17.3)
85.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17.4, 17.5 & 17.6)
86.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17.7, 17.8 & 17.9)
87.		Stability and mechanical hazards	IS 616:2017; IEC 60065: 2014 (Clause 19)
88.		Stability requirements	IS 616:2017; IEC 60065: 2014 (Clause 19.1)
89.		Test at 10° to the horizontal	IS 616:2017; IEC 60065: 2014 (Clause 19.2)
90.		Vertical force test	IS 616:2017; IEC 60065: 2014 (Clause 19.3)
91.		Horizontal force test	IS 616:2017; IEC 60065: 2014 (Clause 19.4)
92.		Test of edges and corners	IS 616:2017; IEC 60065: 2014 (Clause 19.5)
93.		Mechanical strength of glass	IS 616:2017; IEC 60065: 2014 (Clause 19.6)
94.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 19.6.1)
95.		Fragmentation test	IS 616:2017; IEC 60065: 2014 (Clause 19.6.2)
96.		Wall or ceiling mounting	IS 616:2017; IEC 60065: 2014



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
		means	(Clause 19.7)
97.		Requirements & test method	IS 616:2017; IEC 60065: 2014 (Clause 19.7.1, 19.7.2 & 19.7.3)
98.		Resistance to fire	IS 616:2017; IEC 60065: 2014 (Clause 20)
99.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 20.1)
100.		Electrical components and mechanical parts	IS 616:2017; IEC 60065: 2014 (Clause 20.2, 20.2.1, 20.2.2, 20.2.3, 20.2.4 & 20.2.5)
101.		Fire enclosure	IS 616:2017; IEC 60065: 2014 (Clause 20.3, 20.3.1, 20.3.2 & 20.3.3)
102.		Resistance to fire	IS 616:2017; IEC 60065: 2014 (Clause 20)
103.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 20.1)
104.		Electrical components and mechanical parts	IS 616:2017; IEC 60065: 2014 (Clause 20.2, 20.2.1, 20.2.2, 20.2.3, 20.2.4 & 20.2.5)
105.		Fire enclosure	IS 616:2017; IEC 60065: 2014 (Clause 20.3, 20.3.1, 20.3.2 & 20.3.3)
106.		Fire enclosure	IS 616:2017; IEC 60065: 2014 (Clause 20.3, 20.3.1, 20.3.2 & 20.3.3)
107.		Resistance to fire	IS 616:2017; IEC 60065: 2014 (Clause 20)
108.		Requirements	IS 616:2017; IEC 60065: 2014



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Domestic Electrical Appliances		
			(Clause 20.1)
109.		Electrical components and mechanical parts	IS 616:2017; IEC 60065: 2014 (Clause 20.2, 20.2.1, 20.2.2, 20.2.3, 20.2.4 & 20.2.5)
110.		Fire Enclosure	IS 616:2017; IEC 60065: 2014 (Clause 20.3, 20.3.1, 20.3.2 & 20.3.3)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
1.	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid (Nickel System)	General safety considerations	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 5)
2.		General	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 5.1)
3.		Insulation & wiring	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 5.2)
4.		Venting	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 5.3)
5.		Temperature, voltage and current management	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 5.4)
6.		Terminal contacts	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 5.5)
7.		Assembly of cells into batteries	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 5.6)
8.		Quality plan	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 5.7)
9.		Type test and sample size	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 6)
10.		Specific requirements and tests	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7)
11.		Charging procedure for test purposes	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.1)
12.		Intended use	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.2)
13.		Continuous low-rate charging (cells)	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.2.1)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
14.		Vibration	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.2.2)
15.		Case Stress at high ambient temperature (batteries)	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.2.3)
16.		Temperature cycling	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.2.4)
17.		Reasonably foreseeable misuse	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3)
18.		Incorrect installation (cells)	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.1)
19.		External short circuit	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.2)
20.		Free fall	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.3)
21.		Mechanical shock (crash hazard)	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.4)
22.		Thermal abuse (cells)	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.5)
23.		Crushing of cells	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.6)
24.		Low pressure	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.7)
25.		Overcharge	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.8)
26.		Forced discharge (Cells)	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 7.3.9)



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	Cells and Batteries		
27.		Information for safety	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 8)
28.		General	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 8.1)
29.		Small cell and battery safety information	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 8.2)
30.		Marking	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 9)
31.		Cell marking	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 9.1)
32.		Battery marking	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 9.2)
33.		Caution for ingestion of small cells and batteries	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 9.3)
34.		Other information	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 9.4)
35.		Packaging	IS 16046 (Part 1): 2018/IEC 62133-1: 2017 (Clause 10)
36.	Secondary Cells and Batteries Containing Alkaline or Other Non-Acid (Lithium System)	General Safety Considerations	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 5)
37.		General	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 5.1)
38.		Insulation & wiring	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 5.2)
39.		Venting	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 5.3)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
40.		Temperature, voltage and current management	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 5.4)
41.		Terminal contacts	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 5.5)
42.		General	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 5.6.1)
43.		Design recommendation	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 5.6.2)
44.		Mechanical protection for cells and components of batteries	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 5.6.3)
45.		Quality plan	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 5.7)
46.		Battery safety components	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 5.8)
47.		Specific requirements and tests	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7)
48.		Charging procedure for test purposes	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.1)
49.		First procedure	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.1.1)
50.		Second procedure	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.1.2)
51.		Intended use	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.2)
52.		Continuous charging at constant voltage (cells)	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 7.2.1)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
53.		Case stress at high ambient temperature (battery)	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 7.2.2)
54.		Foreseeable misuse reasonably	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 7.3)
55.		External short circuit (cell)	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 7.3.1)
56.		External short circuit (battery)	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 7.3.2)
57.		Free fall	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 7.3.3)
58.		Thermal abuse (cells)	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 7.3.4)
59.		Crush (cells)	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 7.3.5)
60.		Over-charging of battery	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 7.3.6)
61.		Forced discharge (cells)	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 7.3.7)
62.		Mechanical tests (batteries)	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 7.3.8)
63.		Vibration	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 7.3.8.1)
64.		Mechanical shock	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 7.3.8.2)
65.		Information for safety	IS 16046 (Part 2):2018/IEC 62133-2: 2017 (Clause 8)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Cells and Batteries		
66.		General	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 8.1)
67.		Marking	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 9)
68.		Cell marking	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 9.1)
69.		Battery marking	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 9.2)
70.		Caution for ingestion of small cells and batteries	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 9.3)
71.		Other information	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 9.4)
72.		Packaging and transport	IS 16046 (Part 2):2018/IEC 62133-2:2017 (Clause 10)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Environmental Test Facility		
1.	Automotive component, Electrical and electronic Items etc. Luminaires	"Tests for protection against access to hazardous parts and solid foreign objects indicated by the first characteristic numeral (IP 0Xto IP 6X): Clause 5, 12 &13	IS/IEC 60529:2001+A1:2024
2.	Automotive component, Electrical and electronic Items etc.	"Tests for protection against water indicated by the second characteristic numeral (IP X1to X8) Clause 6 & 14	IS/IEC 60529:2001+A1:2024



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
1.	Fixed General Purpose Luminaires	Marking	IS 10322 (Part 5/Sec1):2012 (Cl.6)
2.		Construction: Lamp holders	IS 10322 (Part 5/Sec1):2012 (Cl.7) IS 10322 (Part 1)2014 (Cl.4.4)
3.		Construction: Terminal and Supply Connections	IS 10322 (Part 5/Sec1):2012 (Cl.7) IS 10322 (Part 1)2014 (Cl.4.7)
4.		Construction: Terminal Blocks	IS 10322 (Part 5/Sec1):2012 (Cl.7) IS 10322 (Part 1)2014 (Cl.4.6)
5.		Constructions:-Double and Reinforced Insulation	IS 10322 (Part 5/Sec1):2012 (Cl.7) IS 10322 (Part 1)2014 (Cl.4.10)
6.		Constructions:- Attachment to Lamps	IS 10322 (Part 5/Sec1):2012 (Cl.7) IS 10322 (Part 1)2014 (Cl.4.22)
7.		Constructions:-Drain Holes	IS 10322 (Part 5/Sec1):2012 (Cl.7) IS 10322 (Part 1)2014 (Cl.4.17)
8.		Constructions:- Electrical Connection and Current carrying Parts	IS 10322 (Part 5/Sec1):2012 (Cl.7) IS 10322 (Part 1)2014 (Cl.4.11)
9.		Constructions:- Flammable Material	IS 10322 (Part 5/Sec1):2012 (Cl.7) IS 10322 (Part 1)2014 (Cl.4.15)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
10.	Fixed General Purpose Luminaires	Constructions:- Insulating linings and sleeves	IS 10322 (Part 5/Sec1):2012 (Cl.7) IS 10322 (Part 1)2014 (Cl.4.9)
11.		Constructions:- Luminaires marked with Symbol	IS 10322 (Part 5/Sec1):2012 (Cl.7) IS 10322 (Part 1)2014 (Cl.4.16)
12.		Constructions:- Protective Shields	IS 10322 (Part 5/Sec1):2012 (Cl.7) IS 10322 (Part 1)2014 (Cl.4.21)
13.		Constructions:-Screw Connections Mechanical and Glands	IS 10322 (Part 5/Sec1):2012 (Cl.7) IS 10322 (Part 1)2014 (Cl.4.12)
14.		Constructions:- Short Circuit Protection	IS 10322 (Part 5/Sec1):2012 (Cl.7) IS 10322 (Part 1)2014 (Cl.4.26)
15.		Constructions:- Suspension and Adjusting Devices	IS 10322 (Part 5/Sec1):2012 (Cl.7) IS 10322 (Part 1)2014 (Cl.4.14)
16.		Constructions:- Vibrant Requirements	IS 10322 (Part 5/Sec1):2012 (Cl.7) IS 10322 (Part 1)2014 (Cl.4.20)
17.		Creepage and Clearance Distance	IS 10322 (Part 5/Sec1):2012 (Cl.8)
18.		Endurance Tests and Thermal Tests	IS 10322 (Part 5/Sec1):2012 (Cl.13)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
19.	Fixed General Purpose Luminaires	External & Internal Wiring	IS 10322 (Part 5/Sec1):2012 (Cl.11)
20.		Insulation Resistance and Electric Strength	IS 10322 (Part 5/Sec1):2012 (Cl.15)
21.		Protection Against Electric Shock	IS 10322 (Part 5/Sec1):2012 (Cl. 12)
22.		Provision to Earthing	IS 10322 (Part 5/Sec1):2012 (Cl.9)
23.		Resistance to dust and Moisture	IS 10322 (Part 5/Sec1):2012 (Cl.14)
24.		Resistance to Heat, Fire, and Tracking: Resistance to Flame and Ignition	IS 10322 (Part 5/Sec1):2012 (Cl.16)
25.		Terminals	IS 10322 (Part 5/Sec1):2012 (Cl.10)
26.	Recessed Luminaires	Marking	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.6)
27.		Construction: Lamp holders	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.4)
28.		Construction: Terminal and Supply Connections	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.7)
29.		Construction: Terminal Blocks	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.6)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
30.	Recessed Luminaires	Constructions: -Double and Reinforced Insulation	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.10)
31.		Construction: Starter holder	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.5)
32.		Construction: Resistance to corrosion	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.18)
33.		Construction: Mechanical Strength	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.13)
34.		Construction: Switches	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.8)
35.		Constructions: - Attachment to Lamps	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.22)
36.		Constructions: - Drain Holes	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.17)
37.		Constructions: - Electrical Connection and Current carrying Parts	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.11)
38.		Constructions: - Flammable Material	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.15)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
39.	Recessed Luminaires	Constructions: - Insulating linings and sleeves	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.9)
40.		Constructions:- Luminaires marked with Symbol	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.16)
41.		Constructions:- Protective Shields	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7),IS 10322 (Part 1)2014 (Cl.4.21)
42.		Constructions:- Screw Connections Mechanical and Glands	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7),IS 10322 (Part 1)2014 (Cl.4.12)
43.		Constructions:- Short Circuit Protection	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7),IS 10322 (Part 1)2014 (Cl.4.26)
44.		Constructions: - Suspension and Adjusting Devices	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7),IS 10322 (Part 1)2014 (Cl.4.12)
45.		Constructions: - Vibrant Requirements	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.7),IS 10322 (Part 1)2014 (Cl.4.20)
46.		Creepage and Clearance Distance	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl.8)
47.		Endurance Tests and Thermal Tests	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl. 13)
48.		External & Internal Wiring	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl. 11)
49.		Insulation Resistance and Electric Strength	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl. 15)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
50.	Recessed Luminaires	Protection Against Electric Shock	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl. 12)
51.		Provision to Earthing	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl. 9)
52.		Resistance to dust and Moisture	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl. 14)
53.		Resistance to Heat, Fire, and Tracking	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl. 16)
54.		Terminals	IS 10322 (Part 5/Sec2): 2012+A1:2015 (Cl. 10)
55.		Luminaires performance:	IS 10322 (Part 5/Sec 2): 2012 +A1:2015 (Cl. 17)
56.	Luminaires for Road and Street Lighting	Marking	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl. 6, 6.1, 6.2, 6.2.1)
57.		Construction: Lamp holders	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.4)
58.		Construction: Terminal and Supply Connections	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.7)
59.		Construction: Terminal Blocks	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.6)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
60.	Luminaires for Road and Street Lighting	Constructions:-Double and Reinforced Insulation	IS 10322 (Part 5/ Sec 3):2012 : A 1:2015 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.10)
61.		Constructions:- Attachment to Lamps	IS 10322 (Part 5/ Sec 3):2012 : A 1:2015 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.22)
62.		Constructions:- Drain Holes	IS 10322 (Part 5/ Sec 3):2012 : A 1:2015 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.17)
63.		Constructions:- Electrical Connection and Current carrying Parts	IS 10322 (Part 5/ Sec 3):2012 : A 1:2015 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.11)
64.		Constructions:- Flammable Material	IS 10322 (Part 5/ Sec 3):2012 : A 1:2015 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.15)
65.		Constructions:- Insulating linings and sleeves	IS 10322 (Part 5/ Sec 3):2012 : A 1:2015 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.9)
66.		Constructions:- Luminaires marked with Symbol	IS 10322 (Part 5/ Sec 3):2012 : A 1:2015 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.16)
67.		Constructions:- Mechanical Strength	IS 10322 (Part 5/ Sec 3):2012 : A 1:2015 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.13)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
68.	Luminaires for Road and Street Lighting	Constructions:- Protective Shields	IS 10322 (Part 5/ Sec 3):2012 : A 1:2015 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.21)
69.		Constructions:- Screw Connections Mechanical and Glands	IS 10322 (Part 5/ Sec 3):2012 : A 1:2015 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.12)
70.		Constructions: - Short Circuit Protection	IS 10322 (Part 5/ Sec 3):2012: A 1:2015, IS 10322 (Part 1) 2014 (Cl.4.26)
71.		Constructions: - Suspension and Adjusting Devices	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.14)
72.		Constructions: - Vibrant Requirements	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.20)
73.		Construction	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl. 7.1, 7.2, 7.6, 7.7, 7.8, 7.9)
74.		Constructions: Static Load Test for Mast-Arm or Post-Top	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl. 7.3, 7.3.1, 7.4)
75.		Glass shatter	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl. 7.5)
76.		Creepage and Clearance Distance	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl.8)
77.		Endurance Tests and Thermal Tests	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl. 13, 13.1, 13.2)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
78.	Luminaires for Road and Street Lighting	External & Internal Wiring	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl. 11, 11.1)
79.		Insulation Resistance and Electric Strength	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl. 15)
80.		Protection Against Electric Shock	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl. 12)
81.		Provision For Earthing	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl. 9, 9.1)
82.		Resistance to dust and Moisture	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl. 14, 14.1)
83.		Resistance To Heat, Fire and Tracking: Resistance to Heat (Ball pressure test)	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl. 16)
84.		Terminals	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl. 10)
85.		Luminaires performance:	IS 10322 (Part 5/ Sec 3):2012: A 1:2015 (Cl. 17)
86.	Flood Lights	Marking	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 6, 6.1, 6.2, 6.2.1)
87.	Flood Lights	Construction: Lamp holders	IS 10322 (Part 5/Sec 5): 2013: A1: 2018 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.4)



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	Lamps, Luminaires and Accessories		
88.		Construction: Terminal and Supply Connections	IS 10322 (Part 5/Sec 5): 2013 : A1: 2018 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.7)
89.		Construction: Terminal Blocks	IS 10322 (Part 5/Sec 5): 2013 : A1: 2018 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.6)
90.		Constructions:-Double and Reinforced Insulation	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 7), IS 10322 (Part 1)2014 (Cl.4.10)
91.		Constructions:- Attachment to Lamps	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 7), IS 10322 (Part 1)2014 (Cl.4.22)
92.		Constructions:- Drain Holes	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 7)IS 10322 (Part 1)2014 (Cl.4.17)
93.		Constructions:- Electrical Connection and Current carrying Parts	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 7), IS 10322 (Part 1)2014 (Cl.4.11)
94.		Constructions:- Flammable Material	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 7),IS 10322 (Part 1)2014 (Cl.4.15)
95.	Flood Lights	Constructions:- Insulating linings and sleeves	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 7), IS 10322 (Part 1)2014 (Cl.4.9)
96.	Flood Lights	Constructions:- Luminaires marked with Symbol	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 7), IS 10322 (Part 1)2014 (Cl.4.16)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
97.	Flood Lights	Constructions:- Mechanical Strength	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 7), IS 10322 (Part 1)2014 (Cl.4.13)
98.	Flood Lights	Constructions:- Protective Shields	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 7), IS 10322 (Part 1)2014 (Cl.4.21)
99.	Flood Lights	Constructions:- Screw Connections Mechanical and Glands	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 7), IS 10322 (Part 1)2014 (Cl.4.12)
100.	Flood Lights	Constructions:- Short Circuit Protection	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 7), IS 10322 (Part 1)2014 (Cl.4.26)
101.	Flood Lights	Constructions:- Suspension and Adjusting Devices	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 7),IS 10322 (Part 1)2014 (Cl.4.14)
102.	Flood Lights	Constructions:- Vibrant Requirements	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 7),IS 10322 (Part 1)2014 (Cl.4.20)
103.	Flood Lights	Constructions:-protection against the ingress of moisture	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 7.1)
104.	Flood Lights	Constructions: Static Load Test for Mast-Arm or Post-Top	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 7.3,7.3.1, 7.4)
105.	Flood Lights	Glass shatter	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 7.5)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
106.		Creepage and Clearance Distance	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl.8)
107.		Endurance Tests and Thermal Tests	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 13, 13.1, 13.1.1)
108.		External & Internal Wiring	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 11)
109.		Insulation Resistance and Electric Strength	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 15)
110.		Protection Against Electric Shock	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 12)
111.		Provision For Earthing	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 9)
112.		Resistance to dust and Moisture	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 14)
113.		Resistance To Heat, Fire and Tracking	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 16)
114.		Terminals	IS 10322 (Part 5/Sec 5): 2013: A1:2018 (Cl. 10)
115.	Flood Lights	Luminaires performance:	IS 10322 (Part 5/ Sec 5):2012: A 1:2015 (Cl. 17)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
116.	Hand Lamp	Construction: Lamp holders	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.4)
117.		Construction: Terminal and Supply Connections	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.7)
118.		Construction: Terminal Blocks	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.6)
119.		Constructions:- Double and Reinforced Insulation	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.10)
120.		Constructions:- Attachment to Lamps	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.22)
121.		Constructions:- Drain Holes	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.17)
122.		Constructions:- Electrical Connection and Current carrying Parts	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.11)
123.		Constructions:- Flammable Material	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.10)
124.		Constructions:- Insulating linings and sleeves	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.9)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminares and Accessories		
125.	Hand Lamp	Constructions:- Luminares marked with Symbol	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.16)
126.		Constructions:- Mechanical Strength	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.13)
127.		Constructions:- Protective Shields	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.21)
128.		Constructions:- Screw Connections Mechanical and Glands	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.12)
129.		Constructions:- Short Circuit Protection	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.26)
130.		Constructions:- Suspension and Adjusting Devices	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.14)
131.		Constructions:- Vibrant Requirements	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl.7), IS 10322 (Part 1) 2014 (Cl.4.20)
132.		Creepage and Clearance Distance	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl.8)
133.		Endurance Tests and Thermal Tests	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl. 13)
134.		External & Internal Wiring	IS 10322 (Part 5/Sec6): 2013+A1: 2022 (Cl. 11)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
135.	Hand Lamp	Insulation Resistance and Electric Strength	IS 10322 (Part 5/Sec 6): 2013+A1: 2022 (Cl. 15)
136.		Marking	IS 10322 (Part 5/Sec 6): 2013+A1: 2022 (Cl.6)
137.		Protection Against Electric Shock	IS 10322 (Part 5/Sec 6): 2013+A1: 2022 (Cl. 12)
138.		Resistance to dust and Moisture	IS 10322 (Part 5/Sec 6): 2013+A1: 2022 (Cl. 14)
139.		Resistance to Heat, Fire, and Tracking	IS 10322 (Part 5/Sec 6): 2013+A1: 2022 (Cl. 16)
140.		Terminals	IS 10322 (Part 5/Sec 6): 2013+A1: 2022 (Cl. 10)
141.		External & internal wiring	IS 10322 (Part 5/Sec 6): 2013+A1: 2022 (Cl.11)
142.		Endurance test & thermal test	IS 10322 (Part 5/Sec 6): 2013+A1: 2022 (Cl.13)
143.	Lighting Chain	Requirements for Interconnecting connectors for use in lighting chains	IS 10322 (Part 5/Sec7): 2017 (Annex A)
144.		Construction: Attachment to Lamps	IS 10322 (Part 5/Sec7): 2017 (Cl.20.7), IEC 60598 (Part 1)2014 (Cl.4.22)
145.		Construction	IS 10322 (Part 5/Sec7): 2017 (cl.20.7)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
146.	Lighting Chain	Construction: Double and Reinforced Insulation	IS 10322 (Part 5/Sec7): 2017 (Cl.20.7), IEC 60598 (Part 1)2014 (Cl.4.10)
147.		Construction: Drain Holes	IS 10322 (Part 5/Sec7): 2017 (Cl.20.7), IEC 60598 (Part 1)2014 (Cl.4.17)
148.		Construction: Electrical Connection and Current carrying Parts	IS 10322 (Part 5/Sec7): 2017 (Cl.20.7), IEC 60598 (Part 1)2014 (Cl.4.11)
149.		Construction: Flammable Material	IS 10322 (Part 5/Sec7): 2017 (Cl.20.7), IEC 60598 (Part 1)2014 (Cl.4.15)
150.		Construction: Insulating Linings and Sleeves	IS 10322 (Part 5/Sec7): 2017 (Cl.20.7), IEC 60598 (Part 1)2014 (Cl.4.9)
151.		Construction: Lamp holders	IS 10322 (Part 5/Sec7): 2017 (Cl.20.7)
152.		Construction: Luminaires marked with Symbol	IS 10322 (Part 5/Sec7): 2017 (Cl.20.7), IEC 60598 (Part 1)2014 (Cl.4.16)
153.		Construction: Protective Shields	IS 10322 (Part 5/Sec7): 2017 (Cl.20.7), IEC 60598 (Part 1)2014 (Cl.4.21)
154.		Construction: Resistance to Corrosion	IS 10322 (Part 5/Sec7): 2017 (Cl.20.7), IEC 60598 (Part 1)2014 (Cl.4.18)
155.		Construction: Screw Connections Mechanical and Glands	IS 10322 (Part 5/Sec7): 2017 (Cl.20.7), IEC 60598 (Part 1)2014 (Cl.4.12)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
156.	Lighting Chain	Construction: Short Circuit Protection	IS 10322 (Part 5/Sec7): 2017 (Cl.20.7), IEC 60598 (Part 1)2014 (Cl.4.26)
157.	Lighting Chain	Construction: Suspension and Adjusting Devices	IS 10322 (Part 5/Sec7): 2017 (Cl.20.14), IEC 60598 (Part 1)2014 (Cl.4.14)
158.	Lighting Chain	Construction: Terminals & Supply Connections	IS 10322 (Part 5/Sec7): 2017 (Cl.20.7), IEC 60598 (Part 1)2014 (Cl.4.7)
159.	Lighting Chain	Construction: Vibrant Requirements	IS 10322 (Part 5/Sec7): 2017 (Cl.20.7), IEC 60598 (Part 1)2014 (Cl.4.20)
160.	Lighting Chain	Creepage and Clearance Distance	IS 10322 (Part 5/Sec7): 2017 (Cl.20.8)
161.	Lighting Chain	Endurance Tests and Thermal Tests	IS 10322 (Part 5/Sec7): 2017 (Cl.20.13)
162.	Lighting Chain	External & Internal Wiring	IS 10322 (Part 5/Sec7): 2017 (Cl.20.11)
163.	Lighting Chain	Insulation Resistance and Electric Strength	IS 10322 (Part 5/Sec7): 2017(Cl.20.15)
164.	Lighting Chain	Marking	IS 10322 (Part 5/Sec7): 2017 (Cl.20.6)
165.	Lighting Chain	Protection Against Electric Shock	IS 10322 (Part 5/Sec7): 2017(Cl.20.12)
166.	Lighting Chain	Resistance to dust and Moisture	IS 10322 (Part 5/Sec7): 2017(Cl.20.14)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
167.	Lighting Chain	Resistance to Heat, Fire, and Tracking	IS 10322 (Part 5/Sec7): 2017(CI.20.16)
168.	Lighting Chain	Terminals & Electrical connection	IS 10322 (Part 5/Sec7): 2017(CI.20.10)
169.	Lighting Chain	External & Internal Wiring	IS 10322 (Part 5/Sec7): 2017(CI.20.11)
170.	Emergency Lighting	Marking	IS 10322 (Part 5/Sec8): 2013 (CI.6)
171.	Emergency Lighting	Construction: Lamp holders	IS 10322 (Part 5/Sec8): 2013 (CI.7), IS 10322 (Part 1)2014 (CI.4.4)
172.	Emergency Lighting	Construction: Terminal and Supply Connections	IS 10322 (Part 5/Sec8): 2013 (CI.7), IS 10322 (Part 1)2014 (CI.4.7)
173.	Emergency Lighting	Construction: Terminal Blocks	IS 10322 (Part 5/Sec8): 2013 (CI.7), IS 10322 (Part 1)2014 (CI.4.6)
174.	Emergency Lighting	Constructions: -Double and Reinforced Insulation	IS 10322 (Part 5/Sec8): 2013 (CI.7), IS 10322 (Part 1)2014 (CI.4.10)
175.	Emergency Lighting	Construction: Starter holder	IS 10322 (Part 5/Sec8): 2013 (CI.7), IS 10322 (Part 1)2014 (CI.4.5)
176.	Emergency Lighting	Construction: Resistance to corrosion	IS 10322 (Part 5/Sec8): 2013 (CI.7), IS 10322 (Part 1)2014 (CI.4.18)
177.	Emergency Lighting	Construction: Mechanical Strength	IS 10322 (Part 5/Sec8): 2013 (CI.7), IS 10322 (Part 1)2014 (CI.4.13)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
178.	Emergency Lighting	Construction: Switches	IS 10322 (Part 5/Sec8): 2013 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.8)
179.	Emergency Lighting	Constructions:- Attachment to Lamps	IS 10322 (Part 5/Sec8): 2013 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.22)
180.	Emergency Lighting	Constructions:- Drain Holes	IS 10322 (Part 5/Sec8): 2013 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.17)
181.	Emergency Lighting	Constructions:- Electrical Connection and Current carrying Parts	IS 10322 (Part 5/Sec8): 2013 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.11)
182.	Emergency Lighting	Constructions:- Flammable Material	IS 10322 (Part 5/Sec8): 2013(Cl.7), IS 10322 (Part 1)2014 (Cl.4.15)
183.	Emergency Lighting	Constructions:- Insulating linings and sleeves	IS 10322 (Part 5/Sec8): 2013 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.9)
184.	Emergency Lighting	Constructions:- Luminaires marked with Symbol	IS 10322 (Part 5/Sec8): 2013 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.16)
185.	Emergency Lighting	Constructions:- Protective Shields	IS 10322 (Part 5/Sec8): 2013 (Cl.7)
186.	Emergency Lighting	Constructions:- Screw Connections Mechanical and Glands	IS 10322 (Part 5/Sec8): 2013 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.12)
187.	Emergency Lighting	Constructions:- Short Circuit Protection	IS 10322 (Part 5/Sec8): 2013 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.26)



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	Lamps, Luminaires and Accessories		
188.	Emergency Lighting	Constructions:- Suspension and Adjusting Devices	IS 10322 (Part 5/Sec8): 2013 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.14)
189.	Emergency Lighting	Constructions	IS 10322 (Part 5/Sec8): 2013 (Cl. 7 .1,7.2,7.3,7.4,7.5,7.6,7.7,7.8,7.9,7.10,7 .11,7.12,7.13,7.14,7.15,7.16,7.17,7.18, 7.19")
190.	Emergency Lighting	Constructions:- Vibrant Requirements	IS 10322 (Part 5/Sec8): 2013 (Cl.7), IS 10322 (Part 1)2014 (Cl.4.20)
191.	Emergency Lighting	Creepage and Clearance Distance	IS 10322 (Part 5/Sec8): 2013 (Cl.8)
192.	Emergency Lighting	Endurance Tests and Thermal Tests	IS 10322 (Part 5/Sec8): 2013 (Cl. 13)
193.	Emergency Lighting	External & Internal Wiring	IS 10322 (Part 5/Sec8): 2013 (Cl. 11)
194.	Emergency Lighting	Insulation Resistance and Electric Strength	IS 10322 (Part 5/Sec8): 2013 (Cl. 15)
195.	Emergency Lighting	Protection Against Electric Shock	IS 10322 (Part 5/Sec8): 2013 (Cl. 12)
196.	Emergency Lighting	Provision to Earthing	IS 10322 (Part 5/Sec8): 2013 (Cl. 9)
197.	Emergency Lighting	Resistance to dust and Moisture	IS 10322 (Part 5/Sec8): 2013 (Cl. 14)
198.	Emergency Lighting	Resistance to Heat, Fire, and Tracking	IS 10322 (Part 5/Sec8): 2013 (Cl. 16)



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	Lamps, Luminaires and Accessories		
199.	Emergency Lighting	Terminals	IS 10322 (Part 5/Sec8): 2013 (Cl. 10)
200.	Emergency Lighting	Functional safety	IS 10322 (Part 5/Sec8): 2013 (Cl. 17)
201.	Emergency Lighting	Changeover operation	IS 10322 (Part 5/Sec8): 2013 (Cl. 18.1,18.2,18.3)
202.	Emergency Lighting	High temperature operation	IS 10322 (Part 5/Sec8): 2013 (Cl. 19)
203.	Emergency Lighting	Battery chargers for self-contained emergency luminaires	IS 10322 (Part 5/Sec8): 2013 (Cl. 20.1,20.2)
204.	Emergency Lighting	Test devices for emergency operation	IS 10322 (Part 5/Sec8): 2013 (Cl. 21.1,21.2)
205.	Rope Light	(Requirements for interconnecting connectors for use in rope light)	IS 10322 (Part 5/Sec9): 2017 (Annex A)
206.	Rope Light	Construction: Attachment to Lamps	IS 10322 (Part 5/Sec9): 2017 (Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.22)
207.	Rope Light	Construction: Control Units	IS 10322 (Part 5/Sec9):2017(Cl.21.7.4)
208.	Rope Light	Construction: Double and Reinforced Insulation	IS 10322 (Part 5/Sec9): 2017 (Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.10)
209.	Rope Light	Construction: Drain Holes	IS 10322 (Part 5/Sec9): 2017 (Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.17)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
210.	Rope Light	Construction: Electrical Connection and Current carrying Parts	IS 10322 (Part 5/Sec9): 2017 (Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.11)
211.	Rope Light	Construction: Flammable Material	IS 10322 (Part 5/Sec9): 2017 (Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.15)
212.	Rope Light	Construction: Ignitors	IS 10322 (Part 5/Sec9): 2017 (Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.19)
213.	Rope Light	Construction: Insulating Linings and Sleeves	IS 10322 (Part 5/Sec9): 2017(Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.9)
214.	Rope Light	Construction: Lamp holders	IS 10322 (Part 5/Sec9): 2017 (Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.4)
215.	Rope Light	Construction: Luminaires marked with Symbol	IS 10322 (Part 5/Sec9): 2017(Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.16)
216.	Rope Light	Construction: Mechanical Hazard	IS 10322 (Part 5/Sec9): 2017 (Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.25)
217.	Rope Light	Construction: Mechanical Strength	IS 10322 (Part 5/Sec9): 2017 (Cl.21.7.5), IEC 60598 (Part 1) 2014 (Cl.4.13)
218.	Rope Light	Construction: Protective Shields	IS 10322 (Part 5/Sec9): 2017 (Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.21)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
219.	Rope Light	Construction: Screw Connections Mechanical and Glands	IS 10322 (Part 5/Sec9): 2017 (Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.12)
220.	Rope Light	Construction: Semi Luminaire	IS 10322 (Part 5/Sec9): 2017 (Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.23)
221.	Rope Light	Construction: Short Circuit Protection	IS 10322 (Part 5/Sec9): 2017 (Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.26)
222.	Rope Light	Construction: Suspension and Adjusting Devices	IS 10322 (Part 5/Sec9): 2017 (Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.214)
223.	Rope Light	Construction: Switches	IS 10322 (Part 5/Sec9): 2017 (Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.8)
224.	Rope Light	Construction: Terminals & Supply Connections	IS 10322 (Part 5/Sec9): 2017(Cl.21.7.3 & Annex A)
225.	Rope Light	Construction: Vibrant Requirements	IS 10322 (Part 5/Sec9): 2017 (Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.20)
226.	Rope Light	Creepage and Clearance Distance	IS 10322 (Part 5/Sec9): 2017 (Cl.21.8)
227.	Rope Light	Endurance Tests and Thermal Tests	IS 10322 (Part 5/Sec9): 2017 (Cl.21.13)
228.	Rope Light	External & Internal Wiring	IS 10322 (Part 5/Sec9): 2017 (Cl.21.11)



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	Lamps, Luminaires and Accessories		
229.	Rope Light	Insulation Resistance and Electric Strength	IS 10322 (Part 5/Sec9): 2017 (Cl.21.15)
230.	Rope Light	Marking	IS 10322 (Part 5/Sec9): 2017 (Cl.21.6)
231.	Rope Light	Protection Against Electric Shock	IS 10322 (Part 5/Sec9): 2017 (Cl.21.12)
232.	Rope Light	Resistance to dust and Moisture	IS 10322 (Part 5/Sec9): 2017 (Cl.21.14)
233.	Rope Light	Resistance to Heat, Fire, and Tracking	IS 10322 (Part 5/Sec9): 2017 (Cl. 21.16)
234.	Rope Light	Terminals	IS 10322 (Part 5/Sec9): 2017 (Cl.21.10)
235.	DC or AC supplied electronic control gear for LED Modules	Resistance to Heat, Fire, and Tracking	IS 15885 (Part 2/Sec13): 2012+ A1:2015, IS15885 (Part 1):2011 +A1:2015, IEC 61347-2-13:2014 +A1:2016:2012 (cl.19)
236.		Resistance to corrosion	IS 15885 (Part 2/Sec13): 2012+A1:2015, IS15885 (Part 1):2011+A1:2015, IEC 61347-2-13:2014+A1:2016:2012 (cl.20)
237.		Construction	IS 15885 (Part 2/Sec13): 2012+A1:2015, IS15885 (Part 1):2011+A1:2015, IEC 61347-2-13:2014+A1:2016:2012 (Clause.16)



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	Lamps, Luminaires and Accessories		
238.	DC or AC supplied electronic control gear for LED Modules	Electric Strength	IS 15885 (Part 2/Sec13): 2012+A1:2015, IS15885 (Part 1):2011+A1:2015, IEC 61347-2-13:2014+A1:2016:2012 (Clause. 12)
239.		Fault conditions	IS 15885 (Part 2/Sec13): 2012+A1:2015, IS15885 (Part 1):2011+A1:2015, IEC 61347-2-13:2014+A1:2016:2012 (Clause. 14)
240.		Moisture Resistance and Insulation	IS 15885 (Part 2/Sec13): 2012+A1:2015, IS15885 (Part 1):2011+A1:2015, IEC 61347-2-13:2014+A1:2016:2012 (Clause.11)
241.		Transformer heating	IS 15885 (Part 2/Sec13): 2012+A1:2015, IS15885 (Part 1):2011+A1:2015, IEC 61347-2-13:2014+A1:2016:2012 (Clause. 15)
242.		Creepage distance and clearances	IS 15885 (Part 2/Sec13): 2012+A1:2015, IS15885 (Part 1):2011+A1:2015, IEC 61347-2-13:2014+A1:2016:2012 (Clause. 17)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
243.	DC or AC supplied electronic control gear for LED Modules	Marking	IS 15885 (Part 2/Sec13): 2012+A1:2015, IS15885 (Part 1):2011+A1:2015, IEC 61347-2-13:2014+A1:2016:2012 (Clause. 7)
244.		Protection against accidental contact with live parts	IS 15885 (Part 2/Sec13): 2012+A1:2015, IS15885 (Part 1):2011+A1:2015, IEC 61347-2-13:2014+A1:2016:2012 (Clause. 8)
245.		Provision for protective Earthing	IS 15885 (Part 2/Sec13): 2012+A1:2015, IS15885 (Part 1):2011+A1:2015, IEC 61347-2-13:2014+A1:2016:2012 (Clause. 10)
246.		Screws, current-carrying parts and connections	IS 15885 (Part 2/Sec13): 2012+A1:2015, IS15885 (Part 1):2011+A1:2015, IEC 61347-2-13:2014+A1:2016:2012 (Clause.18)
247.		Terminals	IS 15885 (Part 2/Sec13): 2012+A1:2015, IS15885 (Part 1):2011+A1:2015, IEC 61347-2-13:2014+A1:2016:2012 (Clause. 9)
248.	Self-Ballasted Led Lamp for General Lighting Services	Torsion Resistance of Unused Lamps	IS 16102 (Part1):2012+A1+A2:2015 IEC62560:2011+A1:2015:2012(CI.9.1)
249.		Cap Temperature rise	IS 16102 (Part1):2012+A1+A2:2015



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	Lamps, Luminaires and Accessories		
			IEC62560:2011+A1:2015:2012 (Clause. 10)
250.		Marking durability Test	IS 16102 (Part1):2012+A1+A2:2015 IEC62560:2011+A1:2015:2012 (cl. 5)
251.		Bending Moment, Axial Pull and Mass	IS 16102 (Part1):2012+A1+A2:2015 IEC62560:2011+A1:2015:2012 (cl. 6.2)
252.	Self-Ballasted Led Lamp for General Lighting Services	Cap Inter changeability	IS 16102 (Part1):2012:- Part1: Safety requirements: 2012 (Cl.6.1)
253.		Electric Strength	IS 16102 (Part1):2012+A1+A2:2015 IEC62560:2011+A1:2015:2012 (cl.8.2)
254.		Resistance to Heat (Ball pressure test)	IS 16102 (Part1):2012+A1+A2:2015 IEC62560:2011+A1:2015:2012 (Clause. 11)
255.		Creepage distance and clearances	IS 16102 (Part1):2012+A1+A2:2015 IEC62560:2011+A1:2015:2012 (Clause. 14)
256.		Fault conditions	IS 16102 (Part1):2012+A1+A2:2015 IEC 62560:2011+A1:2015:2012 (Clause. 13)
257.		Insulation Resistance and Electric Strength after Humidity Treatment	IS 16102 (Part1):2012+A1+A2:2015 IEC62560:2011+A1:2015:2012 (Clause. 8, 8.1, 8.1.1)



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	Lamps, Luminaires and Accessories		
258.		Marking	IS 16102 (Part1):2012+A1+A2:2015 IEC62560:2011+A1:2015:2012 (Clause. 5.1& 5.2, 5.3, 5.4)
259.		Mechanical Strength	IS 16102 (Part1):2012+A1+A2:2015 IEC62560:2011+A1:2015:2012 (Clause. 9)
260.	Self-Ballasted Led Lamp for General Lighting Services	Protection against Electric Shock	IS 16102 (Part1):2012+A1+A2:2015 IEC62560:2011+A1:2015:2012 (Clause.7)
261.		Resistance to Flame and ignition	IS 16102 (Part1):2012+A1+A2:2015 IEC 62560:2011+A1:2015:2012 (Clause. 12, 12.1)
262.	Self-Ballasted Led Lamps for General Lighting Services Part-2 Performance Requirements	Colour Nomenclature, Variation and Rendering	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612: 2013 (Clause 10)
263.		Colour Variation Categories	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612: 2013 (Clause 10.1)
264.		Creation of Lamp Families to Reduce Test Effort	IS 16102 (Part 2): 2017 +A1: 2020 IEC 62612 : 2013 (Clause 7.2)
265.		Dimensions	IS 16102 (Part 2): 2017 +A1: 2020 IEC 62612 : 2013 (Clause 6)
266.		Dimming	IS 16102 (Part 2): 2017 +A1: 2020 IEC 62612 : 2013 (Clause 12)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
267.	Self-Ballasted Led Lamps for General Lighting Services Part-2 Performance Requirements	Efficacy	IS 16102 (Part 2): 2017 +A1: 2020 IEC 62612 : 2013 (Clause 9.3)
268.		Endurance Tests	IS 16102 (Part 2): 2017 +A1: 2020 IEC 62612 : 2013 (Clause 11.3)
269.		General	IS 16102 (Part 2): 2017 +A1: 2020 IEC 62612 : 2013 (Clause 11.1)
270.		General Test Conditions	IS 16102 (Part 2): 2017 +A1: 2020 IEC 62612 : 2013 (Clause 7.1)
271.		Lamp Input	IS 16102 (Part 2): 2017 +A1: 2020 IEC 62612 : 2013 (Clause 8)
272.		Lamp Life	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612 : 2013 (Clause 11)
273.		Lamp power	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612 : 2013 (Clause 8.1)
274.		Light Output	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612 : 2013 (Clause 9)
275.		Lumen Maintenance	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612 : 2013 (Clause 11.2)
276.		Marking	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612 : 2013 (Clause 5)
277.		General Requirements for Marking	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612 : 2013 (Clause 5.1)



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	Lamps, Luminaires and Accessories		
278.		Power Factor	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612 : 2013 (Clause 8.2)
279.		Test Condition	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612 : 2013 (Clause 7)
280.	Self-Ballasted Led Lamps for General Lighting Services Part-2 Performance Requirements	Tests	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612 : 2013 (Clause 14)
281.		Temperature Cycling Test	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612 : 2013 (Clause 11.3.2)
282.		Supply Switching Test	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612 : 2013 (Clause 11.3.3)
283.		Accelerated Operational Life Test	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612 : 2013 (Clause 11.3.4)
284.	LED Modules for General lighting other	Torsion Resistance of Unused Lamps	IS 16103 (Part1):2012+A1:2014 (cl.9.1)
285.		Cap Temperature rise	IS 16102 (Part1):2012+A1+A2:2015 IEC 62560:2011+A1:2015:2012 (Clause. 10)
286.		Marking	IS 16103 (Part1):2012+A1:2014 (Cl.7,7.1,7.2,7.3,7.4)
287.		Terminals	IS 16103 (Part1):2012+A1:2014(Cl.8)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
288.	LED Modules for General lighting other	Provisions for protective earthing	IS 16103 (Part1):2012+A1:2014C(Cl.9)
289.		Protection against accidental contact with live parts	IS 16103 (Part1):2012+A1:2014(Cl.10)
290.		Moisture resistance and insulation	IS 16103 (Part1):2012+A1:2014(Cl.11)
291.		Creepage distance and clearances	IS 16103 (Part1):2012+A1:2014(Cl.16)
292.		Electric strength	IS 16103 (Part1):2012+A1:2014(Cl.12)
293.		Fault conditions	IS 16103 (Part1):2012+A1:2014 (Cl.13,13.1,13.2)
294.		Screws, current-carrying parts and connections	IS 16103 (Part1):2012+A1:2014(Cl.17)
295.		Resistance to heat, fire and tracking	IS 16103 (Part1):2012+A1:2014(Cl.18)
296.		Protection against electric Shock	IS 16103 (Part1):2012+A1:2014(Cl.19)
297.		Information To Luminaire Design	IS 16103 (Part1):2012+A1:2014(Cl.20)
298.		Heat Management	IS 16103 (Part1):2012+A1:2014 (cl.21,21.1,21.2,21.3)
299.		Marking	IS 16103 (Part 2): 2012 (cl.4)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
300.	LED Modules for General lighting other	Dimensions	IS 16103 (Part 2): 2012(cl. 5)
301.		Test Condition	IS 16103 (Part 2): 2012 (cl. 6,6.1,6.2,6.2.1,6.2.2,6.2.3)
302.		Module power	IS 16103 (Part 2): 2012 (Cl. 7)
303.		Light output	IS 16103 (Part 2): 2012 (Cl. 8)
304.		Efficacy	IS 16103 (Part 2): 2012 (Clause. 8.3)
305.		Led module life	IS 16103 (Part 2): 2012 (Clause 10)
306.		General	IS 16103 (Part 2) : 2012 (Clause 10.1)
307.		Endurance Tests	IS 16103 (Part 2) : 2012 (Clause 10.3)
308.		General	IS 16103 (Part 2): 2012 (Clause10.3.1)
309.		Temperature Cycling Test	IS 16103 (Part 2): 2012 (Clause 10.3.2)
310.		Supply Switching Test	IS 16103 (Part 2): 2012 (Clause 10.3.3)
311.		Accelerated Operational Life Test	IS 16103 (Part 2): 2012 (Clause 10.3.4)
312.		Information for luminaire design	IS 16103 (Part 2): 2012 (Clause 12)
313.		Verification	IS 16103 (Part 2) : 2012 (Clause 11)
314.		Tests	IS 16103 (Part 2) : 2012 (Clause 14)



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	Lamps, Luminaires and Accessories		
315.	Fixed general purpose luminaires	Marking	IEC 60598-2-1:2020(Clause 1.6)
316.		Construction: Replaceable Components	IEC 60598-2-1:2020(Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.2)
317.		Construction: Wire ways	IEC 60598-2-1:2020(Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.3)
318.		Construction: Lamp holders	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.4)
319.		Construction: Starter holders	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.4)
320.		Construction: Terminal Blocks	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.6)
321.		Construction: Terminal and Supply Connections	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.7)
322.		Construction: Switches	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.8)
323.		Constructions: -Double and Reinforced Insulation	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.10)
324.		Constructions: - Semi luminaries	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.23)
325.		Constructions:- Attachment to Lamps	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.22)
326.		Constructions:-Drain Holes	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.17)



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	Lamps, Luminaires and Accessories		
327.		Constructions:- Electrical Connection and Current carrying Parts (Clause 1.7)	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.11)
328.		Constructions:- Flammable Material	IEC 60598-2-1:2020
329.		Constructions:- Insulating linings and sleeves	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.9)
330.		Constructions:- mechanical hazard	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.25)
331.		Constructions:- Mechanical Strength	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.13)
332.		Constructions:- Protective Shields	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.21)
333.		Constructions:- Screw Connections Mechanical and Glands	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.12)
334.		Constructions:- ignitors	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.19)
335.	Fixed general purpose luminaires	Constructions:- Short Circuit Protection	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.26)
336.		Constructions:- resistance of corrosion	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.18)



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	Lamps, Luminaires and Accessories		
337.		Constructions:- Suspension and Adjusting Devices	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.14)
338.		Constructions: luminaires marked with F symbol	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.16)
339.		Constructions: protective Shield	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.21)
340.		Constructions:- Vibrant Requirements	IEC 60598-2-1:2020 (Clause 1.7), IEC 60598 (Part 1)2014 (Cl.4.20)
341.		Creepage and Clearance Distance	IEC 60598-2-1:2020 (Clause 1.8)
342.		Provision For Earthing	IEC 60598-2-1:2020 (Clause 1.9)
343.		Endurance Tests and Thermal Tests	IEC 60598-2-1:2020 (Clause 1.13)
344.		External & Internal Wiring	IEC 60598-2-1:2020 (Clause 1.11)
345.		Insulation Resistance and Electric Strength	IEC 60598-2-1:2020 (Clause 1.15)
346.		Protection Against Electric Shock	IEC 60598-2-1:2020 (Clause 1.12)
347.	Fixed general purpose luminaires	Resistance to dust and Moisture	IEC 60598-2-1:2020 (Clause 1.14)
348.		Resistance to Heat, Fire, and Tracking: Resistance to Flame	IEC 60598-2-1:2020 (Clause 1.16)



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	Lamps, Luminaires and Accessories		
		and Ignition	
349.		Resistance to Heat, Fire, and Tracking: Resistance to Flame and Ignition	IEC 60598-2-1:2020 (Clause 1.16)
350.		Resistance to Heat, Fire, and Tracking: Resistance to Heat	IEC 60598-2-1:2020 (Clause 1.16)
351.		Resistance to Heat, Fire, and Tracking: Resistance to Tracking	IEC 60598-2-1:2020 (Clause 1.16)
352.		Terminals	IEC 60598-2-1:2020 (Clause 1.10)
353.		External & internal wiring	IEC 60598-2-1:2020 (Clause 1.11)
354.		Marking	IEC 60598-2-2:2023 (Clause 2.6)
355.	Recessed Luminaires	Construction: Replaceable Components	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.2)
356.		Construction: Wireways	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.3)
357.	Recessed Luminaires	Construction: Lamp holders	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.4)
358.		Construction: Starter holders	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.5)
359.		Construction: Terminal Blocks	IEC 60598-2-2:2023 (Clause 2.7),



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
			IEC 60598 (Part 1)2014 (Cl.4.6)
360.		Construction: Terminal and Supply Connections	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.7)
361.		Construction: Switches	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.8)
362.		Constructions:-Double and Reinforced Insulation	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.10)
363.		Constructions:-semi luminaries	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.23)
364.		Constructions:- Attachment to Lamps	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.22)
365.		Constructions:-Drain Holes	IEC 60598-2-2:2023(Claude 2.7), IEC 60598 (Part 1)2014 (Cl.4.17)
366.	Recessed Luminaires	Constructions:- Electrical Connection and Current carrying Parts	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.11)
367.		Constructions:- Flammable Material	IEC 60598-2-2:2023(Claude 2.7), IEC 60598 (Part 1)2014 (Cl.4.15)
368.		Constructions:- Insulating linings and sleeves	IEC 60598-2-2:2023(Claude 2.7), IEC 60598 (Part 1)2014 (Cl.4.9)
369.		Constructions:- mechanical hazard	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.25)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
370.	Recessed Luminaires	Constructions:- Mechanical Strength	IEC 60598-2-2:2023(Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.13)
371.		Constructions:- Protective Shields	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.21)
372.		Constructions:- Screw Connections Mechanical and Glands	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.12)
373.		Constructions:- ignitors	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.19)
374.		Constructions:- Short Circuit Protection	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.26)
375.		Constructions:- resistance of corrosion	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.20)
376.		Constructions:- Suspension and Adjusting Devices	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.14)
377.		Constructions: luminaires marked with F symbol	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.16)
378.		Constructions: Protective Shield	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.21)
379.		Constructions: - Vibrant Requirements	IEC 60598-2-2:2023 (Clause 2.7), IEC 60598 (Part 1)2014 (Cl.4.20)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
380.		Creepage and Clearance Distance	IEC 60598-2-2:2023 (Clause 2.8)
381.		Provision For Earthing	IEC 60598-2-2:2023(Clause 2.9)
382.		Endurance Tests and Thermal Tests	IEC 60598-2-2:2023 (Clause 2.13)
383.		External & Internal Wiring	IEC 60598-2-2:2023 (Clause 2.11)
384.	Recessed Luminaires	Insulation Resistance and Electric Strength	IEC 60598-2-2:2023 (Clause 2.15)
385.		Protection Against Electric Shock	IEC 60598-2-2:2023 (Clause 2.12)
386.		Resistance to dust and Moisture	IEC 60598-2-2:2023 (Clause 2.14)
387.		Resistance to Heat, Fire, and Tracking: Resistance to Flame and Ignition	IEC 60598-2-2:2023 (Clause 2.16)
388.		Terminals: Screw Terminals	IEC 60598-2-2:2023 (Clause 2.10)
389.		Terminals: Screwless Terminals	IEC 60598-2-2:2023 (Clause 2.10)
390.		External & internal wiring	IEC 60598-2-2:2023
391.		Marking	IEC 60598-2-3:2002(Clause 3.5)
392.	Luminaires for Road and Street Lighting	Classification of Luminaires"	IEC 60598-2-3:2002 (Clause 3.6),



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
393.		Construction: Terminal and Supply Connections	IEC 60598-2-3:2002 (Clause 3.6), IEC 60598 (Part 1)2014 (Cl.4.7)
394.		Construction: Terminal Blocks	IEC 60598-2-3:2002 (Clause 3.6), IEC 60598 (Part 1)2014 (Cl.4.6)
395.	Luminaires for Road and Street Lighting	Constructions:-Double and Reinforced Insulation	IEC 60598-2-3:2002 (Clause 3.6), IEC 60598 (Part 1)2014 (Cl.4.10)
396.		Constructions:- Attachment to Lamps	IEC 60598-2-3:2002 (Clause 3.6), IEC 60598 (Part 1)2014 (Cl.4.22)
397.		Constructions:-Drain Holes	IEC 60598-2-3:2002 (Clause 3.6), IEC 60598 (Part 1)2014 (Cl.4.17)
398.		Constructions:- Electrical Connection and Current carrying Parts	IEC 60598-2-3:2002 (Clause 3.6), IEC 60598 (Part 1)2014 (Cl.4.11)
399.		Constructions:- Flammable Material	IEC 60598-2-3:2002 (Clause 3.6), IEC 60598 (Part 1)2014 (Cl.4.15)
400.		Constructions:- Insulating linings and sleeves	IEC 60598-2-3:2002 (Clause 3.6), IEC 60598 (Part 1)2014 (Cl.4.9)
401.		Constructions:- Luminaires marked with Symbol	IEC 60598-2-3:2002 (Clause 3.6), IEC 60598 (Part 1)2014 (Cl.4.16)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
402.	Luminaires for Road and Street Lighting	Constructions:- Mechanical Strength	IEC 60598-2-3:2002 (Clause 3.6), IEC 60598 (Part 1)2014 (Cl.4.13)
403.		Constructions:- Protective Shields	IEC 60598-2-3:2002 (Clause 3.6), IEC 60598 (Part 1)2014 (Cl.4.21)
404.		Constructions:- Screw Connections Mechanical and Glands	IEC 60598-2-3:2002 (Clause 3.6), IEC 60598 (Part 1)2014 (Cl.4.12)
405.		Constructions:- Short Circuit Protection	IEC 60598-2-3:2002 (Clause 3.6), IEC 60598 (Part 1)2014 (Cl.4.26)
406.		Constructions:- Suspension and Adjusting Devices	IEC 60598-2-3:2002 (Clause 3.6), IEC 60598 (Part 1)2014 (Cl.4.14)
407.		Constructions:- Vibrant Requirements	IEC 60598-2-3:2002 (Clause 3.6), IEC 60598 (Part 1)2014 (Cl.4.20)
408.		Construction	IEC 60598-2-3:2002 (Clause 3.6.1, 3.6.2, 3.6.3, 3.6.4, 3.6.5, 3.6.6, 3.6.7, 3.6.8, 3.6.9)
409.		Constructions: Static Load Test for Mast-Arm or Post-Top	IEC 60598-2-3:2002 (Clause 7.3, 7.3.1, 7.4)
410.		Glass shatter	IEC 60598-2-3:2002 (Clause 3.6.5)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
411.	Luminaires for Road and Street Lighting	Creepage and Clearance Distance	IEC 60598-2-3:2002 (Clause 3.7)
412.		Endurance Tests and Thermal Tests	IEC 60598-2-3:2002 (Clause 3.12)
413.		External & Internal Wiring	IEC 60598-2-3:2002 (Clause 3.10)
414.		Insulation Resistance and Electric Strength	IEC 60598-2-3:2002 (Clause 3.14)
415.		Protection against electric shock	IEC 60598-2-3:2002 (Clause 3.11)
416.		Provision for earthing	IEC 60598-2-3:2002 (Clause 3.8)
417.		Resistance to dust and Moisture	IEC 60598-2-3:2002 (Clause 3.13)
418.		Resistance to heat, fire and tracking: resistance to heat (ball pressure test)	IEC 60598-2-3:2002 (Clause 3.15)
419.		Resistance to heat, fire and tracking: resistance to fire (glow wire test)	IEC 60598-2-3:2002 (Clause 3.15)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
420.		Resistance to heat, fire and tracking: resistance to heat (needle flame test)	IEC 60598-2-3:2002 (Clause 3.15)
421.		Resistance to heat, fire and tracking: resistance to tracking	IEC 60598-2-3:2002 (Clause 3.15)
422.	Luminaires for Road and Street Lighting	Terminals: screw terminals	IEC 60598-2-3:2002 (Clause 3.9)
423.		Terminals: Screwless Terminals and Electrical Connections	IEC 60598-2-3:2002 (Clause 3.9)
424.		Marking	IEC 60598-2-5:2015 (Clause 5.5)
425.	Flood Lights	Construction: Lamp holders	IEC 60598-2-5:2015 (Clause 5.6), IEC 60598 (Part 1)2014 (Cl.4.4)
426.		Construction: Terminal and Supply Connections	IEC 60598-2-5:2015 (Clause 5.6), IEC 60598 (Part 1)2014 (Cl.4.7)
427.		Construction: Terminal Blocks	IEC 60598-2-5:2015 (Clause 5.6), IEC 60598 (Part 1)2014 (Cl.4.6)
428.		Constructions:-Double and Reinforced Insulation	IEC 60598-2-5:2015 (Clause 5.6), IEC 60598 (Part 1)2014 (Cl.4.10)
429.		Constructions:- Attachment to Lamps	IEC 60598-2-5:2015 (Clause 5.6), IEC 60598 (Part 1)2014 (Cl.4.22)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
430.		Constructions:- Drain Holes	IEC 60598-2-5:2015 (Clause 5.6), IEC 60598 (Part 1)2014 (Cl.4.17)
431.	Flood Lights	Constructions:- Electrical Connection and Current carrying Parts	IEC 60598-2-5:2015 (Clause 5.6), IEC 60598 (Part 1)2014 (Cl.4.11)
432.		Constructions:- Flammable Material	IEC 60598-2-5:2015 (Clause 5.6), IEC 60598 (Part 1)2014 (Cl.4.15)
433.		Constructions:- Insulating linings and sleeves	IEC 60598-2-5:2015 (Clause 5.6), IEC 60598 (Part 1)2014 (Cl.4.9)
434.		Constructions:- Luminaires marked with Symbol	IEC 60598-2-5:2015 (Clause 5.6), IEC 60598 (Part 1)2014 (Cl.4.16)
435.		Constructions:- Mechanical Strength	IEC 60598-2-5:2015 (Clause 5.6), IEC 60598 (Part 1)2014 (Cl.4.13)
436.		Constructions:- Protective Shields	IEC 60598-2-5:2015 (Clause 5.6), IEC 60598 (Part 1)2014 (Cl.4.21)
437.		Constructions:- Screw Connections Mechanical and Glands	IEC 60598-2-5:2015 (Clause 5.6), IEC 60598 (Part 1)2014 (Cl.4.12)
438.		Constructions:- Short Circuit Protection	IEC 60598-2-5:2015 (Clause 5.6), IEC 60598 (Part 1)2014 (Cl.4.26)



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	Lamps, Luminaires and Accessories		
439.		Constructions:- Suspension and Adjusting Devices	IEC 60598-2-5:2015 (Clause 5.6), IEC 60598 (Part 1)2014 (Cl.4.14)
440.		Constructions:- Vibrant Requirements	IEC 60598-2-5:2015 (Clause 5.6), IEC 60598 (Part 1)2014 (Cl.4.20)
441.		Constructions:- Protection against the ingress of moisture	IEC 60598-2-5:2015 (Clause 5.6), IEC 60598 (Part 1)2014 (Cl.4.17)
442.		Constructions	IEC 60598-2-5:2015 ((Clause 5.6.1, 5.6.2, 5.6.3,5.6.4,5.6.5, 5.6.5,.6.7, 5.6.8,5.6.9"))
443.	Flood Lights	Glass shatter	IEC 60598-2-5:2015 ((Clause 5.6.5)
444.		Creepage and Clearance Distance	IEC 60598-2-5:2015 ((Clause 5.7)
445.		Endurance Tests and Thermal Tests	IEC 60598-2-5:2015 ((Clause 5.12)
446.		External &Internal Wiring	IEC 60598-2-5:2015 ((Clause 5.10)
447.		Insulation Resistance and Electric Strength	IEC 60598-2-5:2015 ((Clause 5.14)
448.		Protection Against Electric Shock	IEC 60598-2-5:2015 ((Clause 5.11"))



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
449.		Provision For Earthing	IEC 60598-2-5:2015 ((Clause 5.8 ")
450.		Resistance to dust and Moisture	IEC 60598-2-5:2015 ((Clause 5.13"))
451.	Flood Lights	Resistance To Heat, Fire and Tracking: Resistance to Heat (Ball pressure test)	IEC 60598-2-5:2015 ((Clause 5.15"))
452.		Terminals	IEC 60598-2-5:2015 ((Clause 5.9"))
453.		Marking	IEC 60598-2-8:2013 (Clause8.6)
454.		Classification of Luminaires	IEC 60598-2-8:2013(Clause 8.5)
455.		Construction: Replaceable Components	IEC 60598-2-8:2013 (Clause 8.7), \IEC 60598 (Part 1)2014 (Cl.4.2)
456.	Hand Lamp	Construction: Wireways	IEC 60598-2-8:2013 (Clause 8.7), IEC 60598 (Part 1)2014 (Cl.4.3)
457.		Construction: Lamp holders	IEC 60598-2-8:2013 (Clause 8.7), IEC 60598 (Part 1)2014 (Cl.4.4)
458.		Construction: Starter holders	IEC 60598-2-8:2013 (Clause 8.7), IEC 60598 (Part 1)2014 (Cl.4.5)
459.		Construction: Terminal Blocks	IEC 60598-2-8:2013 (Clause 8.7), IEC 60598 (Part 1)2014 (Cl.4.6)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
460.	Hand Lamp	Construction: Terminal and Supply Connections	IEC 60598-2-8:2013 (Clause 8.7), IEC 60598 (Part 1)2014 (Cl.4.7)
461.		Construction: Switches	IEC 60598-2-8:2013, IEC 60598 (Part 1) 2014 (Cl.4.8)
462.		Constructions:-Double and Reinforced Insulation	IEC 60598-2-8:2013, IEC 60598 (Part 1) 2014 (Cl.4.10)
463.		Constructions:-semi luminaries	IEC 60598-2-8:2013, IEC 60598 (Part 1) 2014 (Cl.4.23)
464.		Constructions:- Attachment to Lamps	IEC 60598-2-8:2013, IEC 60598 (Part 1) 2014 (Cl.4.22)
465.		Constructions:- Drain Holes	IEC 60598-2-8:2013, IEC 60598 (Part 1)2014 (Cl.4.17)
466.		Constructions:- Electrical Connection and Current carrying Parts	IEC 60598-2-8:2013(Cl.8.7), IEC 60598 (Part 1)2014 (Cl.4.11)
467.		Constructions:- Flammable Material	IEC 60598-2-8:2013 Cl.8.7), IEC 60598 (Part 1)2014 (Cl.4.15)
468.		Constructions:- Insulating linings and sleeves	IEC 60598-2-8:2013 Cl.8.7), IEC 60598 (Part 1)2014 (Cl.4.9)
469.		Constructions:- mechanical hazard	IEC 60598-2-8:2013 Cl.8.7), IEC 60598 (Part 1)2014 (Cl.4.25)
470.	Hand Lamp	Constructions:- Mechanical	IEC 60598-2-8:2013 Cl.8.7),



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
		Strength	IEC 60598 (Part 1)2014 (Cl.4.13)
471.		Constructions:- Protective Shields	IEC 60598-2-8:2013 Cl.8.7), IEC 60598 (Part 1)2014 (Cl.4.21)
472.		Constructions:- Screw Connections Mechanical and Glands	IEC 60598-2-8:2013 Cl.8.7), IEC 60598 (Part 1)2014 (Cl.4.12)
473.		Constructions:- ignitors	IEC 60598-2-8:2013 Cl.8.7), IEC 60598 (Part 1)2014 (Cl.4.19)
474.		Constructions:- Short Circuit Protection	IEC 60598-2-8:2013 Cl.8.7), IEC 60598 (Part 1)2014 (Cl.4.26)
475.		Constructions:- resistance of corrosion	IEC 60598-2-8:2013 Cl.8.7), IEC 60598 (Part 1)2014 (Cl.4.18)
476.		Constructions:- Suspension and Adjusting Devices	IEC 60598-2-8:2013(Cl.8.7), IEC 60598 (Part 1)2014 (Cl.4.14)
477.		Constructions: luminaires marked with F symbol	IEC 60598-2-8:2013(Cl.8.7), IEC 60598 (Part 1)2014 (Cl.4.16)
478.	Hand Lamp	Constructions: protective Shield	IEC 60598-2-8:2013(Cl.8.7) IEC 60598 (Part 1)2014 (Cl.4.21)
479.		Constructions:- Vibrant Requirements	IEC 60598-2-8:2013(Cl.8.7) IEC 60598 (Part 1)2014 (Cl.4.20)
480.		Creepage and Clearance Distance	IEC 60598-2-8:2013(Cl.8.8)
481.		Endurance Tests and Thermal	IEC 60598-2-8:2013(Cl.8.13)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
		Tests	
482.		External & Internal Wiring	IEC 60598-2-8:2013(CI.8.11)
483.		Insulation Resistance and Electric Strength	IEC 60598-2-8:2013(CI.8.15)
484.		Protection Against Electric Shock	IEC 60598-2-8:2013(CI.8.12)
485.		Resistance to dust and Moisture	IEC 60598-2-8:2013(CI.8.14)
486.		Resistance to Heat, Fire, and Tracking	IEC 60598-2-8:2013 (CI.8.16)
487.		Terminals	IEC 60598-2-8:2013 IEC 60598-2-8:2013 (CI.8.10)
488.		Marking	IEC 60598-2-20:2022(CI.20.6)
489.		Construction: Attachment to Lamps	IEC 60598-2-20:2022(CI.20.7), IEC 60598 (Part 1)2014 (CI.4.22)
490.	Lighting Chain	Construction	IEC 60598-2-20:2022(CI. 20.7)
491.		Construction: Double and Reinforced Insulation	IEC 60598-2-20:2022(CI.20.7), IEC 60598 (Part 1)2014 (CI.4.10)
492.		Construction: Drain Holes	IEC 60598-2-20:2022(CI.20.7) IEC 60598 (Part 1)2014 (CI.4.17)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
493.		Construction: Electrical Connection and Current carrying Parts	IEC 60598-2-20:2022(CI.20.7), IEC 60598 (Part 1)2014 (CI.4.11)
494.		Construction: Flammable Material	IEC 60598-2-20:2022(CI.20.7), IEC 60598 (Part 1)2014 (CI.4.15)
495.	Lighting Chain	Construction: Insulating Linings and Sleeves	IEC 60598-2-20:2022(CI.20.7) IEC 60598 (Part 1)2014 (CI.4.9)
496.		Construction: Lamp holders	IEC 60598-2-20:2022(CI.20.7) IEC 60598 (Part 1)2014 (CI.4.4)
497.		Construction: Luminaires marked with Symbol	IEC 60598-2-20:2022(CI.20.7), IEC 60598 (Part 1)2014 (CI.4.16)
498.	Lighting Chain	Construction: Protective Shields	IEC 60598-2-20:2022(CI.20.7), IEC 60598 (Part 1)2014 (CI.4.21)
499.		Construction: Mechanical strength	IEC 60598-2-20:2022(CI.20.7), IEC 60598 (Part 1)2014 (CI.4.13)
500.		Construction: Control units and control gear	IEC 60598-2-20:2022(CI.20.7.8)
501.		Construction: Lamp rotator	IEC 60598-2-20:2022(CI.20.7.9)
502.		Construction: Lamp bridging devices	IEC 60598-2-20:2022(CI.20.7.7)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
503.	Lighting Chain	Construction: Lamp insertion and withdrawal force	IEC 60598-2-20:2022(CI.20.7.10)
504.		Construction: Lamp mechanical requirements	IEC 60598-2-20:2022(CI.20.7.11)
505.		Construction: temporarily installed protected lighting (TPL) chains	IEC 60598-2-20:2022(CI.20.7.12)
506.		Construction: Resistance to Corrosion	IEC 60598-2-20:2022(CI.20.7), IEC 60598 (Part 1)2014 (CI.4.18)
507.		Construction: Screw Connections Mechanical and Glands	IEC 60598-2-20:2022(CI.20.7), IEC 60598 (Part 1)2014 (CI.4.12)
508.		Construction: Short Circuit Protection	IEC 60598-2-20:2022(CI.20.7) IEC 60598 (Part 1)2014 (CI.4.26)
509.		Construction: Suspension and Adjusting Devices	IEC 60598-2-20:2022(CI.20.7) IEC 60598 (Part 1)2014 (CI.4.14)
510.	Lighting Chain	Construction: Gaskets	IEC 60598-2-20:2022(20.7.5)
511.		Construction: Terminals & Supply Connections	IEC 60598-2-20:2022(CI.20.7) IEC 60598 (Part 1)2014 (CI.4.7)
512.		Construction: Vibrant Requirements	IEC 60598-2-20:2022(CI.20.7), IEC 60598 (Part 1)2014 (CI.4.20)



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	Lamps, Luminaires and Accessories		
513.		Creepage and Clearance Distance	IEC 60598-2-20:2022(CI.20.8)
514.		Endurance Tests and Thermal Tests	IEC 60598-2-20:2022(CI. CI.20.13, 20.13.1,20.13.2, 20.13.3,20.13.4)
515.		External & Internal Wiring	IEC 60598-2-20:2022(CI.20.11)
516.		Insulation Resistance and Electric Strength	IEC 60598-2-20:2022(CI.20.15)
517.	Lighting Chain	Construction: Terminals Block	IEC 60598-2-20:2022 (CI.20.10)
518.		Protection Against Electric Shock	IEC 60598-2-20:2022(CI. 20.12.1, 20.12.2, 20.12.3, 20.12.4, 20.12.5)
519.		Resistance to dust and Moisture	IEC 60598-2-20:2022(CI.20.14)
520.		Resistance to Heat, Fire, and Tracking	IEC 60598-2-20:2022(CI.20.16)
521.		Terminals	IEC 60598-2-20:2022(CI.20.10)
522.		External & Internal Wiring	IEC 60598-2-20:2022 (CI.20.11,20.11.1,20.11.2,20.11.3,20.11.4,20.11.5)
523.		ANNEX A	IEC 60598-2-20:2022



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
524.	Rope light	Marking	IEC 60598-2-21:2014 (Cl.21.6)
525.		Construction: Attachment to Lamps	IEC 60598-2-21:2014(Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.22)
526.		Construction	IEC 60598-2-21:2014 (Cl.21.7.1,21.7.2,21.7.3,21.7.4,21.7.5)
527.	Rope light	Construction: Rough service luminaires	IEC 60598-2-21:2014(Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.20)
528.		Construction: Double and Reinforced Insulation	IEC 60598-2-21:2014(Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.10)
529.		Construction: Electrical Connection and Current carrying Parts	IEC 60598-2-21:2014(Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.11)
530.		Construction: Flammable Material	IEC 60598-2-21:2014(Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.15)
531.		Construction: Insulating Linings and Sleeves	IEC 60598-2-21:2014(Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.9)
532.		Construction: Lamp holders	IEC 60598-2-21:2014(Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.4)
533.		Construction: Luminaires marked with Symbol	IEC 60598-2-21:20214(Cl.21.7), IEC 60598 (Part 1)2014 (Cl.4.16)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
534.	Rope light	Construction: Protective Shields	IEC 60598-2-21:2014(CI.21.7), IEC 60598 (Part 1)2014 (CI.4.21)
535.		Construction: Mechanical strength	IEC 60598-2-21:2014(CI.21.7), IEC 60598 (Part 1)2014 (CI.4.25)
536.		Construction: Resistance to Corrosion	IEC 60598-2-21:2014(CI.21.7) IEC 60598 (Part 1)2014 (CI.4.18)
537.		Construction: Screw Connections Mechanical and Glands	IEC 60598-2-21:2014(CI.21.7) IEC 60598 (Part 1)2014 (CI.4.12)
538.		Construction: Short Circuit Protection	IEC 60598-2-21:2014(CI.21.7) IEC 60598 (Part 1)2014 (CI.4.16)
539.		Construction: Suspension and Adjusting Devices	IEC 60598-2-21:2014(CI.21.7) IEC 60598 (Part 1)2014 (CI.4.14)
540.		Construction: ignitors	IEC 60598-2-21:2014(CI.21.7) IEC 60598 (Part 1)2014 (CI.4.19)
541.		Construction: Terminals & Supply Connections	IEC 60598-2-21:2014(CI.21.7) IEC 60598 (Part 1)2014 (CI.4.7)
542.		Construction: Vibrant Requirements	IEC 60598-2-21:2014(CI.21.7) IEC 60598 (Part 1)2014 (CI.4.20)
543.		Provision to Earthing	IEC 60598-2-21:2014(CI.21.9)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
544.		Creepage and Clearance Distance	IEC 60598-2-21:2014(CI.21.8)
545.		Endurance Tests and Thermal Tests	IEC 60598-2-21:2014(CI.21.13, 21.13.1, 21.13.2, 21.13.3)
546.		External & Internal Wiring	IEC 60598-2-21:2014(CI.21.11)
547.		Insulation Resistance and Electric Strength	IEC 60598-2-21:2014(CI.21.15)
548.		Construction: Terminals Block	IEC 60598-2-21:2014(CI.21.7.2)
549.		Protection Against Electric Shock	IEC 60598-2-21:2014(CI.21.12)
550.	Rope light	Resistance to dust and Moisture	IEC 60598-2-21:2014(CI.21.14)
551.		Resistance to Heat, Fire, and Tracking	IEC 60598-2-21:2014(CI.21.16)
552.		Terminals	IEC 60598-2-21:2014(CI.21.10)
553.		External & Internal Wiring	IEC 60598-2-21:2014 (CI.21.11, 21.11.1, 21.11.2, 21.11.3, 21.11.4, 21.11.5)
554.		ANNEX A	IEC 60598-2-21:2014
555.	Emergency Lighting	Marking	IEC 60598-2-22:2021(Clause22.6)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
556.	Emergency Lighting	Construction:	IEC 60598-2-22:2021(Clause 22.7, 22.7.1, 22.7.2, 22.7.3, 22.7.5, 22.7.6, 22.7.7, 22.7.8, 22.7.9, 22.7.10, 22.7.11, 22.7.12, 22.7.13, 22.7.14, 22.7.15)
557.		Construction:	IEC 60598-2-22:2021(Clause 22.7.16, 22.7.17, 22.7.18, 22.7.19, 22.7.20, 22.7.21, 22.7.22, 22.7.23, 22.7.24)
558.		Construction:	IEC 60598-2-22:2021(Clause 22.7), IEC 60598 (Part 1)2014 (Cl.4.1 to Cl.4.32)
559.		Creepage and Clearance Distance	IEC 60598-2-22:2021(Clause 22.8)
560.		Endurance Tests and Thermal Tests	IEC 60598-2-22:2021(Clause. 22.13)
561.		External & Internal Wiring	IEC 60598-2-22:2021(Clause. 22.11)
562.		Insulation Resistance and Electric Strength	IEC 60598-2-22:2021(Clause 22.15)
563.		Protection Against Electric Shock	IEC 60598-2-22:2021(Clause 22.12)
564.		Provision to Earthing	IEC 60598-2-22:2021(Clause 22.9)



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Electrical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lamps, Luminaires and Accessories		
565.	Emergency Lighting	Resistance to dust and Moisture	IEC 60598-2-22:2021(clause. 22.14)
566.		Resistance to Heat, Fire, and Tracking	IEC 60598-2-22:2021(Clause 22.16)
567.		Terminals	IEC 60598-2-22:2021(Clause 22.10)
568.		Functional Safety	IEC 60598-2-22:2021(Clause 22.17, 22.17.1, 22.17.2))
569.		Photometric measurements	IEC 60598-2-22:2021(Clause 22.17.3, 22.17.4, 22.17.5)
570.		Change Over Operation	IEC 60598-2-22:2021(Clause 22.18, 22.18.1, 22.18.2, 22.18.3)
571.		High temperature operation:	IEC 60598-2-22:2021(Cl. 22.19)
572.		Battery chargers for self-contained emergency luminaires	IEC 60598-2-22:2021((Clause 22.20))
573.		Test Devices for emergency operation:	IEC 60598-2-22:2021(Cl.22.21)
574.		Rest mode and inhibition mode facilities	Annex D



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
1.	Automatic Data Processing Machine, Laptop/ Notebook/Tablet, Printers, Plotters, Scanners, Set Top Box, Telephone answering machines, Visual Display units, Videos monitors of screen size 32" & above, Wireless Keyboards, Cash Registers, Copying machines/ Duplicators, Passport Reader, Mail Processing Machines/ Postage Machines/Franking machines, Power Banks for use in Portable Applications, Smart card Reader, Mobile phones, Power Adaptors for it Equipment, USB type External Hard Disk Drives USB type	Double or reinforced insulation bridged by components	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 1.5.7.3, Cl.2.4.2)
2.		Power interface	IS 13252 (Part-1): 2010+A1:2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 1.6)
3.		Ac power distribution system	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 1.6.1)
4.		Input test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Claude 1.6.2)
5.		Voltage limit of hand-held equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Claude 1.6.3)
6.	External Solid-state Storage Devices (Above 256 GB Capacity),Standalone Switch Mode Power Supplies (SMPS) with Output Voltage 48 V (MAX), Digital Camera, Visual Display Units, Video Monitors	Neutral conductor	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005 +A1-2009+A2-2013(Claude 1.6.4)
7.		Marking and instructions, power rating, safety instruction and marking,	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Claude 1.7, 1.7.1, 1.7.2,



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	IT Equipment		
	of screen size up to 32, CCTV Cameras/CCTV Recorders, Barcode Scanners/Iris Scanners/Optical fingerprint Scanners, USB driven Barcode reader, Smart watches, Keyboard, Automatic Teller Cash dispensing machines	short duty cycle, supply voltage adjustment, power outlets on the equipment & fuse identification	1.7.2.1, 1.7.2.2, 1.7.2.3, 1.7.2.4, 1.7.2.5, 1.7.2.6, 1.7.3, 1.7.4, 1.7.5 & 1.7.6)
8.		Wiring terminals, controls and indicators, isolation of multiple power source, & thermostats and other regulating devices	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 1.7.7, 1.7.7.1, 1.7.7.2, 1.7.7.3, 1.7.8, 1.7.8.1, 1.7.8.2, 1.7.8.3, 1.7.8.4, 1.7.9, 1.7.10)
9.		Durability	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+ A12009+ A2-2013(Clause 1.7.11)
10.		Removable parts, replaceable batteries & equipment for restricted access location	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005 +A1-2009 +A2-2013(Clause 1.7.12, 1.7.13, & 1.7.14)
11.		Protection from hazards	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005 +A1-2009+A2-2013(Clause 2)
12.		Protection from electric shock and energy hazards	IS 13252 (Part-1):2010+A1:2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 2.1)
13.		Protection in operator access areas & access to energized parts	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 2.1.1 & 2.1.1.1)



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	IT Equipment		
14.		Battery compartments	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.1.1.2)
15.		Access to ELV wiring & access to hazards voltage circuit wiring	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009 +A2-2013(Clause 2.1.1.3 & 2.1.1.4)
16.		Energy hazards	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause Cl.2.1.1.5)
17.		Manual controls	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.1.1.6)
18.		Discharge of capacitors in equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.1.1.7)
19.		Energy hazards D.C. mains supply	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.1.1.8)
20.		Audio amplifier in information technology equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.1.1.9)



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	IT Equipment		
21.		Protection in service access areas & protection in restricted access locations	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 2.1.2 & 2.1.3)
22.		SELV Circuits	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 2.2, 2.2.1, 2.2.2, 2.2.3, & 2.2.4)
23.		TNV Circuits	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 2.3, 2.3.1, 2.3.2, 2.3.2.1, 2.3.2.2, 2.3.2.3, 2.3.2.4, 2.3.3, 2.3.4 & 2.3.5)
24.		Limited current circuits	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 2.4, 2.4.1, 2.4.2, & 2.4.3)
25.		Limited current circuits	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 2.4, 2.4.1, 2.4.2, & 2.4.3)
26.		Limited power sources	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 2.5)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
27.		Limited power sources	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.5)
28.		Provisions for earthing and bonding	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.6)
29.		Protective earthing	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.6.1)
30.		Functional earthing	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.6.2)
31.		Protective earthing conductor and protective bonding conductor	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.6.3, 2.6.3.1, 2.6.3.2, 2.6.3.3, 2.6.3.4, 2.6.3.5)
32.		Terminals	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.6.4)
33.		General	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.6.4.1, 2.6.4.2, 2.6.4.3)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
34.		Integrity of protective earthing	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.6.5, 2.6.5.1, 2.6.5.2, 2.6.5.3, 2.6.5.4, 2.6.5.5, 2.6.5.6, 2.6.5.7, & 2.6.5.8)
35.		Over current and earth fault protection in primary circuits	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.7)
36.		Basic requirements	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.7.1)
37.		Faults not simulated in 5.3.7	IS 13252 (Part-1):2010+A1:2013 A2:2015/IEC 60950-1: 2005 +A1- 2009+A2-2013(Clause 2.7.2)
38.		Short-circuit backup protection	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013(Clause 2.7.3)
39.		Number and location of protective device	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.7.4)
40.		Protection by several devices	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.7.5)



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	IT Equipment		
41.		Warning to service person	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.7.6)
42.		Safety interlocks & general principles cl.2.8 & cl.2.8.1	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.8)
43.		Protection requirements	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.8.1)
44.		Inadvertent reactivation	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.8.3)
45.		Moving parts	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.8.5)
46.		Contact gaps	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.8.7.1)
47.		Mechanical actuators	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.8.8)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
48.		Electric insulation	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.9)
49.		Properties of insulating materials, humidity conditioning	IS 13252 (Part-1):2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.9.1 & 2.9.2)
50.		Grade of insulation	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.9.3)
51.		Separation from hazardous voltages	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.9.4)
52.		Clearances, creepage distance and distance through insulation	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10)
53.		General	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.1)
54.		Frequency	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.1.1)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
55.		Pollution degrees	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.1.2)
56.		Reduced values for functional insulation, intervening unconnected conductive parts, insulation with varying dimensions, special separation requirements, insulation in circuit generating starting pulses, & annex F	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.1.3, 2.10.1.4, 2.10.1.5, 2.10.1.6 & 2.10.1.7)
57.		Determination of working voltage	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.2)
58.		General	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.2.1)
59.		RMS working voltage & peak working voltage	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.2.2 & 2.10.2.3)
60.		Clearances & general	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.3 & 2.10.3.1)



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	IT Equipment		
61.		Mains transient voltages	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.3.2)
62.		Clearances in primary circuits & clearances in secondary circuits	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.3.3 & 2.10.3.4)
63.		Clearances in circuits having starting pulses	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.3.5)
64.		Transient from an A.C. and D.C. mains supply and transient from telecommunication network and cable distribution system	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.3.6, 2.10.3.7, 2.10.3.8)
65.		Measurement of transient voltages	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.3.9)
66.		Creepage distances, general, material group & comparative tracking index	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.4, 2.10.4.1, 2.10.4.2)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
67.		Minimum creepage distances	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.4.3)
68.		Solid insulation	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.5 & 2.10.5.1)
69.		Distance through insulation, insulating compound and solid insulation, semiconductor devices, cemented joints	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.5.2, 2.10.5.3, 2.10.5.4 & 2.10.5.5)
70.		Thin sheet material, separable thin sheet material, non-separable thin sheet material, thin sheet material	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.5.6, 2.10.5.7, 2.10.5.8, 2.10.5.9, & 2.10.5.10)
71.		Insulation in wound components, wire in wound components, wire with solvent based enamel in wound component & additional insulation in wound components	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 2.10.5.11, 2.10.5.12, 2.10.5.13, & 2.10.5.14)



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
72.		Construction of printed boards, uncoated printed boards, coated printed boards, insulation between conductors on same inner part different surface of a printed board.	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 2.10.6, 2.10.6.1, 2.10.6.2, 2.10.6.3 & 2.10.6.4)
73.		Test on coated printed boards and coated components & Sample preparation and preliminary Inspection	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 2.10.8)
74.		Thermal conditioning	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 2.10.8.2)
75.		Electric strength test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 2.10.8.3)
76.		Thermal conditioning	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 2.10.9)
77.		Test for pollution degree 1 environment and for insulating compound	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 2.10.10)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
78.		Wiring, connections, and supply, general, & current rating and over current protection.	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3, 3.1, 3.1.1)
79.		Protection against mechanical damage & securing of internal wiring	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3.1.2, & 3.1.3)
80.		Insulation of conductors	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3.1.4)
81.		Beads and ceramic insulators	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3.1.5)
82.		Screws for electrical connection, insulation material in electrical connections, self-tapping and spaced thread screw	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3.1.6, 3.1.7 & 3.1.8)
83.		Termination of conductors	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3.1.9)
84.		Sleeving on wiring	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3.1.10)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
85.		Connection to A.C. & D.C. mains supply	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3.2, 3.2.1 & 3.2.1.1, 3.2.1.2)
86.		Multiple supply connections	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3.2.2)
87.		Permanently connected equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3.2.3)
88.		Appliance inlets	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3.2.4)
89.		A.C. & D.C. Power supply cords	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3.2.5, 3.2.5.2)
90.		Cord anchorages and strain relief Test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3.2.6)
91.		Protection against mechanical damage	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3.2.7)
92.		Cord guards	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3.2.8)



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	IT Equipment		
93.		Supply wiring spaces	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 3.2.9)
94.		Wiring terminals for connection of external conductor	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 3.3)
95.		Wiring terminals, connections to non-detachable power supply cords, screw terminals	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 3.3.1, 3.3.2, 3.3.3)
96.		Conductor sizes to be connected	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 3.3.4)
97.		Wiring terminal sizes, wiring terminal design, grouping of wiring terminals & stranded wire	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 3.3.5, Cl.3.3.6, 3.3.7 & 3.3.8)
98.		Disconnection from the mains supply, general requirements, disconnects device, permanently connected equipment, parts which remain energized, switches in flexible cords, number of poles- single phase and DC	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 3.4, 3.4.1, 3.4.2,3.4.3,3.4.4, 3.4.5, 3.4.6, 3.4.7, 3.4.8, 3.4.9, 3.4.10, 3.4.11)



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	IT Equipment		
		equipment, number of poles-three phase, switches as disconnect devices, plugs as disconnect devices, interconnected equipment, multiple power sources	
99.		Interconnection of equipment, general requirements, type of interconnection circuits, ELV circuits as interconnection circuits	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3.5, 3.5.1, 3.5.2, 3.5.3)
100.		Data Ports additional equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3.5.4)
101.		Data Ports additional equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 3.5.4)
102.		Physical requirements, stability	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 4, 4.1)
103.		Mechanical strength general, steady force test for 10N, 30N, 250N.	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 4.2, 4.2.1, 4.2.2, 4.2.3 & 4.2.4)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
104.		Impact test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A12009+A2-2013(Clause 4.2.5)
105.		Drop test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 4.2.6)
106.		Stress relief test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 4.2.7)
107.		Wall or ceiling mounted equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 4.2.10)
108.		Design & construction, edges and corner, handles and manual controls	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 4.3, 4.3.1, 4.3.2)
109.		Adjustable controls, securing of parts & connection by the plug and sockets.	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 4.3.3, 4.3.4 & 4.3.5)
110.		Direct plug-in equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013(Clause 4.3.6)



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	IT Equipment		
111.		Protection against hazardous moving parts	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 4.4, 4.4.1, 4.4.2, 4.4.3, 4.4.4)
112.		Thermal requirements, general, temperature test, temperature limits for materials, touch temperature limits.	IS 13252 (Part-1): 2010+A1:2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 4.5, 4.5.1, 4.5.2, 4.5.3, 4.5.4)
113.		Resistance to abnormal Heat	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 4.5.5)
114.		Openings in enclosures	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 4.6,4.6.1, & 4.6.3)
115.		Openings in transportable equipment	IS 13252(Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 4.6.4, 4.6.4.1, 4.6.4.2, 4.6.4.3)
116.		Adhesives for constructional purposes	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 4.6.5)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
117.		Resistance to fire	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 4.7)
118.		Reducing the risk of ignition and spread of flame	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 4.7.1)
119.		Condition for a fire enclosure	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 4.7.2, 4.7.2.2)
120.		Materials & general	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 4.7.3 & 4.7.3.1)
121.		Materials for components and other parts outside fire enclosures	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 4.7.3.3)
122.		Material for components and other parts inside fire enclosure	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013(Clause 4.7.3.4)
123.		Materials for air filter assemblies	IS 13252 (Reaff:2022) (Part- 1):2010+A1:2013 A2:2015/IEC 60950- 1: 2005+A1-2009+A2-2013 (Clause 4.7.3.5)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
124.		Material used in high-voltage components	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013(Clause 4.7.3.6)
125.		Electrical requirements and simulated abnormal conditions & touch current and protective conductor current & annex D	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 5, & 5.1, 5.1.1, 5.1.2, 5.1.2.1.4)
126.		Electric strength test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 5.2, 5.2.1, 5.2.2)
127.		Abnormal operating and fault conditions & protection against overload and abnormal operation	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 5.3, 5.3.1)
128.		Motor	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 5.3.2 & Annex B)
129.		Functional insulation	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 5.3.4)
130.		Electromechanical components	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 5.3.5)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
131.		Audio amplifier in information technology equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 5.3.6)
132.		Simulation of faults	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 5.3.7)
133.		Unattended equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 5.3.8)
134.		Compliance criteria for abnormal operating and fault conditions, during the test, after the test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 5.3.9, 5.3.9.1, 5.3.9.2)
135.		Connection to telecommunication network	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 6.0)
136.		Protection of telecommunication network service persons and users of other equipment connected to the network from hazards in the equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 6.1)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
137.		Protection from hazardous voltages	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 6.1.1)
138.		Separation of the telecommunication network from earth	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 6.1.2 & 6.1.2.1, 6.1.2.2)
139.		Protection of equipment users from over voltages on telecommunication networks	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013 (Clause 6.2, 6.2.1, 6.2.2, 6.2.2.2 & 6.2.2.3)
140.		Impulse test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+ A2-2013 (Clause 6.2.2.1)
141.		Steady state test and compliance criteria	IS 13252 (Reaff:2022) (Part-1): 2010+ A1:2013 A2:2015/IEC 60950-1: 2005+ A1-2009+A2-2013 (Clause 6.2.2.2 & 6.2.2.3)
142.		Protection of the telecommunication wiring system from overheating	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013 (Clause 6.3)
143.		Connection to cable distribution system & general	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1- 2009+A2-2013 (Clause 7 & 7.1)



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
144.		Protection of cable distribution system service persons, and user of other equipment connected to the system, from hazardous voltage in the equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005 +A1-2009+A2-2013 (Clause 7.2)
145.		Protection of equipment users from over voltages on the cable distribution system	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 7.3)
146.		Insulation between primary circuits and cable distribution system and general	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 7.4 & 7.4.1)
147.		Voltage surge test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 7.4.2)
148.		Impulse test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 7.4.3)
149.		Test for resistance to heat and fire annex a.1 flammability test for fire enclosure of movable equipment having mass exceeding 18 kg and of stationary equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Annex A)
150.		Flammability test for fire enclosure of movable	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
		equipment having mass not exceeding 18 kg and for material and components located inside the fire enclosures	2009+A2-2013 (Annex A.2)
151.		Motor test under abnormal condition	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Annex B)
152.		Requirement for mounting wheels of rack mounted equipment	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Annex DD)
153.		House hold and home/ office document/ media shredders	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Annex EE)
154.		Abrasion resistance test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Clause 2.10.8.4)
155.		Hot flaming oil test	IS 13252 (Part-1): 2010+A1: 2013 A2:2015/IEC 60950-1: 2005+A1-2009+A2-2013 (Annex A.3)
156.		Indian official language	IS 16333 (Part 3) (Clause 3.1)
157.		Third Indian language	IS 16333 (Part 3) (Clause 3.2)
158.		Requirement inbuilt capability	IS 16333 (Part 3) (Clause 4)



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	IT Equipment		
		to support the Indian official languages	
159.		Tests	IS 16333 (Part 3) (Clause 5)
160.		Inputting of text	IS 16333 (Part 3) (Clause 5.1)
161.		Message readability	IS 16333 (Part 3) (Clause 5.2)
162.		Marking	IS 16333 (Part 3) (Clause 6)



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
1.	Amplifiers with input Power 2000W & above, Bluetooth speakers, Smart Speakers, Wireless microphone, Wireless Headphone and Earphone	Normal operating condition	IS 616:2017; IEC 60065: 2014 (Clause 4.2,4.2.1,4.2.2,4.2.3,4.2.4,4.2.5, 4.2.6,4.2.7,4.2.8,4.2.9,4.2.10,4.2.10.1, 4.2.10.2,4.2.11,4.2.12 & 4.2.13)
2.		Normal operating condition	IS 616:2017; IEC 60065: 2014 (Clause 4.2,4.2.1,4.2.2,4.2.3,4.2.4,4.2.5, 4.2.6,4.2.7,4.2.8,4.2.9,4.2.10,4.2.10.1, 4.2.10.2,4.2.11,4.2.12 & 4.2.13)
3.		Fault condition	IS 616:2017; IEC 60065: 2014 (Clause 4.3.2,4.3.3,4.3.4,4.3.5,4.3.6, 4.3.7,4.3.8,4.3.9,4.3.10,4.3.11,4.3.12, 4.3.13,4.3.14,4.3.15,4.3.16 & 4.3.17)
4.		Marking & instructions	IS 616:2017; IEC 60065: 2014 (Clause 5)
5.		General requirements	IS 616:2017; IEC 60065: 2014 (Clause 5.1)
6.		Identification and supply ratings	IS 616:2017; IEC 60065: 2014 (Clause 5.2)
7.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 5.3)
8.		Caution marking	IS 616:2017; IEC 60065: 2014 (Clause 5.4)
9.		Instructions	IS 616:2017; IEC 60065: 2014 (Clause 5.5, 5.5.1, 5.5.2 & 5.5.3)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
10.		Heating under normal operating conditions	IS 616:2017; IEC 60065: 2014 (Clause 7.7.1, 7.1.1, 7.1.2, 7.1.3, 7.1.4, 7.1.5 & 7.1.6)
11.		Heat resistance of insulating material	IS 616:2017; IEC 60065: 2014 (Clause 7.2)
12.		Construction requirement with regard to the protection against electric shock	IS 616:2017; IEC 60065: 2014 (Clause 8 & 8.1)
13.		Operations by hand	IS 616:2017; IEC 60065: 2014 (Clause 8.2)
14.		Hygroscopic materials	IS 616:2017; IEC 60065: 2014 (Clause 8.3)
15.		Hygroscopic materials	IS 616:2017; IEC 60065: 2014 (Clause 8.3)
16.		Electric shock hazardous	IS 616:2017; IEC 60065: 2014 (Clause 8.4, 8.5, 8.6 & 8.7)
17.		Electric shock hazardous	IS 616:2017; IEC 60065: 2014 (Clause 8.8)
18.		Electric shock hazardous	IS 616:2017; IEC 60065: 2014 (Clause 8.9, 8.10, 8.11, 8.12, 8.13, 8.14, 8.15 & 8.16)
19.		Disconnection from the mains	IS 616:2017; IEC 60065: 2014 (Clause 8.18, 8.19 & 8.20)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
20.		Test specifications of non-separable thin sheet material	IS 616:2017; IEC 60065: 2014 (Clause 8.21)
21.		Electric shock hazard under normal operating conditions	IS 616:2017; IEC 60065: 2014 (Clause 9, 9.1, 9.1.1, 9.1.1.1 & 9.1.1.3)
22.		Determination of hazardous live parts	IS 616:2017; IEC 60065: 2014 (Clause 9.1.1.2)
23.		Shafts of operating knobs, handles, levers and the like	IS 616:2017; IEC 60065: 2014 (Clause 9.1.2)
24.		Opening of the enclosure clause	IS 616:2017; IEC 60065: 2014 (Clause 9.1.3)
25.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.1.4)
26.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.1.5)
27.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.1.6)
28.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.1.7)
29.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 9.2)
30.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 10)
31.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 10.1)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
32.		Surge test	IS 616:2017; IEC 60065: 2014 (Clause 10.2)
33.		Humidity test	IS 616:2017; IEC 60065: 2014 (Clause 10.3)
34.		Humidity test	IS 616:2017; IEC 60065: 2014 (Clause 10.3)
35.		Insulation resistance	IS 616:2017; IEC 60065: 2014 (Clause 10.4, 10.4.1 & 10.4.2)
36.		Fault condition	IS 616:2017; IEC 60065: 2014 (Clause 11)
37.		Electric shock hazard	IS 616:2017; IEC 60065: 2014 (Clause 11.1)
38.		Heating test	IS 616:2017; IEC 60065: 2014 (Clause 11.2, 11.2.1, 11.2.2, 11.2.3, 11.2.4, 11.2.5, 11.2.6, 11.2.7 & 11.2.8)
39.		Mechanical strength	IS 616:2017; IEC 60065: 2014 (Clause 12)
40.		Complete apparatus	IS 616:2017; IEC 60065: 2014 (Clause 12.1)
41.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 12.1.1)
42.		Bump test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.2)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
43.		Vibration test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.3)
44.		Impact test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.4)
45.		Drop test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.5)
46.		Stress relief test	IS 616:2017; IEC 60065: 2014 (Clause 12.1.6)
47.		Fixing of actuating elements	IS 616:2017; IEC 60065: 2014 (Clause 12.2)
48.		Remote control devices held in hand	IS 616:2017; IEC 60065: 2014 (Clause 12.3)
49.		Drawer	IS 616:2017; IEC 60065: 2014 (Clause 12.4)
50.		Antenna coaxial sockets mounted on the apparatus	IS 616:2017; IEC 60065: 2014 (Clause 12.5)
51.		Telescoping or rod antennas	IS 616:2017; IEC 60065: 2014 (Clause 12.6, 12.6.1, 12.6.2)
52.		Apparatus containing coin/button cell batteries	IS 616:2017; IEC 60065: 2014 (Clause 12.7)
53.		General	IS 616:2017; IEC 60065: 2014 (Clause 12.7.1)



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	Audio Equipment		
54.		Construction requirements	IS 616:2017; IEC 60065: 2014 (Clause 12.7.2)
55.		Tests	IS 616:2017; IEC 60065: 2014 (Clause 12.7.3, 12.7.3.1, 12.7.3.2, 12.7.3.3, 12.7.3.4, 12.7.3.5 & 12.7.3.6)
56.		Compliance	IS 616:2017; IEC 60065: 2014 (Clause 12.7.4)
57.		Clearance & creepage distances	IS 616:2017; IEC 60065: 2014 (Clause 13 & 13.1)
58.		Determination of working voltage	IS 616:2017; IEC 60065: 2014 (Clause 13.2)
59.		Clearances	IS 616:2017; IEC 60065: 2014 (Clause 13.3, 13.3.1, 13.3.2 & 13.3.3)
60.		Measurement of transient voltages	IS 616:2017; IEC 60065: 2014 (Clause 13.3.4a)
61.		Measurement of transient voltages	IS 616:2017; IEC 60065: 2014 (Clause 13.3.4b)
62.		Creepage distances	IS 616:2017; IEC 60065: 2014 (Clause 13.4)
63.		Jointed insulation	IS 616:2017; IEC 60065: 2014 (Clause 13.6)
64.		Enclosed and sealed parts	IS 616:2017; IEC 60065: 2014 (Clause 13.7 & 13.8)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
65.		Terminals	IS 616:2017; IEC 60065: 2014 (Clause 15)
66.		Plug & sockets	IS 616:2017; IEC 60065: 2014 (Clause 15.1, 15.1.1, 15.1.2 & 15.1.3)
67.		Provisions for protective earthing	IS 616:2017; IEC 60065: 2014 (Clause 15.2)
68.		Terminals for external flexible cords and for permanent connection to the mains	IS 616:2017; IEC 60065: 2014 (Clause 15.3, 15.3.1, 15.3.2, 15.3.3, 15.3.4, 15.3.5, 15.3.6, 15.3.7, 15.3.8 & 15.3.9)
69.		Device forming a part of the mains plug	IS 616:2017; IEC 60065: 2014 (Clause 15.4, 15.4.1, 15.4.2 & 15.4.3)
70.		External flexible cord	IS 616:2017; IEC 60065: 2014 (Clause 16, 16.1, 16.2, 16.3, 16.4, 16.5, 16.6 & 16.7)
71.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17 & 17.1)
72.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17.2)
73.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17.3)
74.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17.4, 17.5 & 17.6)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
75.		Electric connection and mechanical fixing	IS 616:2017; IEC 60065: 2014 (Clause 17.7, 17.8 & 17.9)
76.		Stability and mechanical hazards	IS 616:2017; IEC 60065: 2014 (Clause 19)
77.		Stability requirements	IS 616:2017; IEC 60065: 2014 (Clause 19.1)
78.		Test at 10° to the horizontal	IS 616:2017; IEC 60065: 2014 (Clause 19.2)
79.		Vertical force test	IS 616:2017; IEC 60065: 2014 (Clause 19.3)
80.		Horizontal force test	IS 616:2017; IEC 60065: 2014 (Clause 19.4)
81.		Test of edges and corners	IS 616:2017; IEC 60065: 2014 (Clause 19.5)
82.		Mechanical strength of glass	IS 616:2017; IEC 60065: 2014 (Clause 19.6)
83.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 19.6.1)
84.		Fragmentation test	IS 616:2017; IEC 60065: 2014 (Clause 19.6.2)
85.		Wall or ceiling mounting means	IS 616:2017; IEC 60065: 2014 (Clause 19.7)
86.		Requirements & test method	IS 616:2017; IEC 60065: 2014 (Clause 19.7.1, 19.7.2 & 19.7.3)



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
87.		Resistance to fire	IS 616:2017; IEC 60065: 2014 (Clause 20)
88.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 20.1)
89.		Electrical components and mechanical parts	IS 616:2017; IEC 60065: 2014 (Clause 20.2, 20.2.1, 20.2.2, 20.2.3, 20.2.4 & 20.2.5)
90.		Fire enclosure	IS 616:2017; IEC 60065: 2014 (Clause 20.3, 20.3.1, 20.3.2 & 20.3.3)
91.		Resistance to fire	IS 616:2017; IEC 60065: 2014 (Clause 20)
92.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 20.1)
93.		Electrical components and mechanical parts	IS 616:2017; IEC 60065: 2014 (Clause 20.2, 20.2.1, 20.2.2, 20.2.3, 20.2.4 & 20.2.5)
94.		Fire enclosure	IS 616:2017; IEC 60065: 2014 (Clause 20.3, 20.3.1, 20.3.2 & 20.3.3)
95.		Fire enclosure	IS 616:2017; IEC 60065: 2014 (Clause 20.3, 20.3.1, 20.3.2 & 20.3.3)



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Electronics Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Audio Equipment		
96.		Resistance to fire	IS 616:2017; IEC 60065: 2014 (Clause 20)
97.		Requirements	IS 616:2017; IEC 60065: 2014 (Clause 20.1)
98.		Electrical components and mechanical parts	IS 616:2017; IEC 60065: 2014 (Clause 20.2, 20.2.1, 20.2.2, 20.2.3, 20.2.4 & 20.2.5)
99.		Fire enclosure	IS 616:2017; IEC 60065: 2014 (Clause 20.3, 20.3.1, 20.3.2 & 20.3.3)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1.	Autoclaved Cellular Concrete Blocks, Autoclaved Aerated Concrete Blocks	Fire Test (Non-Load Bearing Units) (up to 1200°C) (3 Mtr X 3 Mtr X 1.2 Mtr)	ASTM E119: 2020
2.	Autoclaved Cellular Concrete Blocks, Autoclaved Aerated Concrete Blocks	Fire Test (Non-Load Bearing Units) (up to 1200°C)	BS 476-20: 1987, BS 476-22:1987
3.	Door Shutters, Board, Panels	Fire Resistance Test (Non-Load Bearing) (up to 1200°C)	BS 476-20: 1987, BS 476-22:1987
4.	Gypsum Panel, mineral wool panel, AAC brick wall, calcium silicate wall, container wall, Ceramic Fibre insulation	Fire Resistance Test (Non-Load Bearing) (up to 1200°C)	EN1364-1:2015
5.	Curtain Walling Fire Resistance Test	Fire Resistance Test	EN 1364-3:2014
6.	Gypsum Panel, mineral wool panel, AAC brick wall, calcium silicate wall, container wall, Ceramic Fibre insulation	Fire Resistance Test (Non-Load Bearing) (up to 1200°C)	EN1363-1:2020
7.	Glazed Element	Fire Resistance Test	ISO 3009-1:2003
8.	Firestops	Fire Resistance Test	IS 12458:2019
9.	Door Shutters, Board, Panels	Fire Resistance Test (Non-Load Bearing) (up to 1200°C)	BS EN 1634-1: 2014



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
10.	Door Shutters, Board, Panels	Fire Resistance Test (Non-Load Bearing) (up to 1200°C)	ASTM E119: 2020
11.	Wood, Ply wood, Insulation Material	Fire Propagation	BS 476-6: 1989
12.		Non-Combustibility	BS 476-4: 1970
13.		Non-Combustibility	IS 3808: 1979
14.		Non-Combustibility	ASTM E136: 2019
15.		Non-Combustibility	ISO 1182: 2020
16.		Surface Spread of Flame	BS 476-7: 1997
17.		Surface Spread of Flame	IS 12777: 1989
18.		Surface Spread of Flame	ASTM E84: 2021
19.		Surface Spread of Flame	ASTM E84: 2021
20.	Lift Landing doors	Fire Resistance Test	BS EN 81-58 :2018
21.		Fire Resistance Test	IS 17518 Part-2 :2021
22.		Fire Resistance Test	ISO 3008-2:2017
23.	Door Shutters, Board, Panels	Fire Resistance Test	IS/ISO 834-1:1999
24.	Door Shutters, Board, Panels Gypsum Panel, mineral wool panel, AAC brick wall, calcium	Fire Resistance Test	IS/ISO 834-8 2002



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
	silicate wall, container wall, Ceramic Fibre insulation		
25.	Bulkhead, deckhead, Hatch door, door	Fire resistance test	IMO FTP Code 2010 Part 3
26.	Glass walls	Fire Resistance Test	IS 16945: 2018
27.	Doors with Glass Panels, Openable Glass Windows and Sliding Glass Doors	Fire Resistance Test	IS 16947: 2018
28.	Metal swing doors, Wooden composite swing doors, Metal sliding doors and metal rolling shutters	Fire Resistance Test	IS 3614: 2021, IS 17518 (Part1) :2022/ ISO3008-1:2019
29.	Wooden, Metal and Glazed Door	Fire Resistance Test	IS 17518 (Part 1): 2022 ISO 3008-1:2019
30.	Doors and shutters	Fire Resistance Test	ISO 3008-1- 2019
31.	Door Shutters, Board, Panels	Fire Resistance Test	UL 10C-2016
32.	Door Shutters, Board, Panels	Fire Hose Stream Test	UL 10C-2016
33.	Wall, Partition	Fire Resistance Test	IS/ISO 834-4:2000
34.	Coarse Aggregate	Sieve analysis	IS 2386(Part-1):1963 Reaffirmed 2021
35.		Flakiness Index	IS 2386(Part-1):1963 Reaffirmed 2021



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
36.	Coarse Aggregate	Elongation Index	IS 2386(Part-1):1963 Reaffirmed 2021
37.		Aggregate Impact Value	IS 2386(Part-4):1963 Reaffirmed 2021
38.		Specific Gravity	IS 2386(Part-3):1963 Reaffirmed 2021
39.		Water Absorption	IS 2386(Part-3):1963 Reaffirmed 2021
40.	Walls, Partitions, Floors, Roofs	Fire Resistance Test	IS 3809 -1979
41.	Floor carpet, PVC flooring, vinyl flooring, PVC free flooring, compreg	Determination of the Burning behaviour using a radiant heat source CHF	ISO 9239-1-2010
42.	Cable sheath, cable containment, Flexible metal, rubber, Fibre reinforced plastic, Laminate, DGFRP, LP sheet, Compreg, Plywood,	Heat Release Rate	ISO 5660-1: 2015
43.	Upholstery, PU foam, Leather, silicon foam, coated fabric, PVC flooring, Honeycomb sheet, Painted sheet, acrylic sheet, hose pipe, GFRE, NAFTC sheet, Compressed Laminate, phenolic resin sheet	Smoke Density Ds, Dsmax, VOF4	ISO 5659-2: 2017



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
44.	DGFRP, GFRE, LP, NAFTC, Compressed Laminate, Plastic sheet, Compreg, Phenolic resin sheet, Painted sheet, Fibre reinforced plastic	Lateral spread of flame CFE	ISO 5658-2: 2006
45.	Cable sheath, cable containment, Relay, MCB, contractors, Switch, PCB, Flexible metal, rubber, hose, Fibre reinforced plastic, Laminate, DGFRP, LP sheet, Compreg, Plywood, Upholstery, PU foam, Leather, silicon foam, coated fabric, PVC flooring, Honeycomb sheet, Adhesive, Window seal, Painted sheet, Acrylic sheet	Conventional Index of Toxicity (CIT)	EN 17084-2018
46.	GFRE, NAFTC sheet, Compressed Laminate, phenolic resin sheet.	Oxygen Index	ISO 4589-2:2017
47.	Cable sheath, cable containment, Relay, MCB, contractors, Switch, PCB, Flexible metal, rubber, hose	Fire hazard testing	IEC/ISO 60695-11-10:2013



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
48.	Laminate, Upholstery, PU foam. Leather, silicon foam, acrylic, water proofing membrane, ACP pane, cladding	Single source flame test	ISO 11925-2:2020



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
1.	Safety Boots for Miners — Specification	Types, of Boots	IS 3976:2018 With A1 & A2 Clause no. 4, Fig. 1 & Fig. 2
2.		Design, (Toe Spring)	IS 3976:2018 With A1 & A2 Clause no. 5.1
3.		Fittings, of Boots	IS 3976:2018 With A1 & A2 Clause no. 5.1.1 (Ref. of. IS 1638)
4.		Upper, Material	IS 3976:2018 With A1 & A2 Clause no. 5.2.1
5.		Upper, GSM	IS 3976:2018 With A1 & A2 Clause no. 5.2.1
6.		Upper Material consolidation test	IS 3976:2018 With A1 & A2 Clause no. 5.2.1.1 (Ref. of clause no. 5.10)
7.		Flexing of Rubber Upper	IS 3976:2018 With A1 & A2 Clause no. 5.2.1.2 (Ref. Cl. 6.5.2 of IS 15298 (Part-1))
8.		Tear Strength of Upper	IS 3976:2018 With A1 & A2 Clause no. 5.2.1.3 (Ref. Cl. 6.3 of IS 15298 (Part-1))
9.		Water Vapour Permeability	IS 3976:2018 With A1 & A2 Clause no. 5.2.1.4 (Ref. Cl. 6.6 of IS 15298 (Part-1))
10.		Water Vapour Coefficient	IS 3976:2018 With A1 & A2 Clause no. 5.2.1.4 (Ref. Cl. 6.8 of IS 15298 (Part-1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
11.	Safety Boots for Miners — Specification	Abrasion Resistance of Inner Surface of Upper Material	IS 3976:2018 With A1 & A2 Clause no. 5.2.1.5 (Ref. Cl. 6.12 of IS 15298 (Part-1))
12.		Lining, Material	IS 3976:2018 With A1 & A2 Clause no. 5.2.2
13.		Abrasion Resistance, Lining	IS 3976:2018 With A1 & A2 Clause no. 5.2.2.1 (Ref. IS 15298 (Part-1))
14.		Binding Material, Width	IS 3976:2018 With A1 & A2 Clause no. 5.2.3 & Table-1 (Ref. IS 1954)
15.		Binding Material, Breaking Load	IS 3976:2018 With A1 & A2 Clause no. 5.2.3 & Table-1 (Ref. Annex-C)
16.		Sulphur dyes	IS 3976:2018 With A1 & A2 Clause no. 5.2.3 & Table-1 (Ref. Annex-B)
17.		Reinforcing Material, width	IS 3976:2018 With A1 & A2 Clause no. 5.2.4 (Ref. of Clause 5.2.1)
18.		Reinforcing Material, tear strength	IS 3976:2018 With A1 & A2 Clause no. 5.2.4 (Ref. of Clause 5.2.1.3)
19.		Design of Polymeric/Rubber Compact Sole	IS 3976:2018 With A1 & A2 Clause no. 5.2.5.1
20.		Hardness (IRHD), of Compact Sole	IS 3976:2018 With A1 & A2 Clause no. 5.2.5.2 & Table-2 (i) (Ref. of IS 3400 (Part-2))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
21.	Safety Boots for Miners — Specification	Change in Hardness After Accelerated Ageing (For Rubber Components)	IS 3976:2018 With A1 & A2 Clause no. 5.2.5.2 & Table-2 (ii) (Ref. of IS 3400 (Part-4))
22.		Thickness of compact Sole	IS 3976:2018 With A1 & A2 Clause no. 5.2.5.3 & Table-3 (Ref. Cl. 8.1.2 of IS 15298 (Part-1))
23.		Abrasion Resistance, Outsole	IS 3976:2018 With A1 & A2 Clause no. 5.2.5.4 (Ref. Cl. 8.3 of IS 15298 (Part-1))
24.		Flexing Resistance, Outsole	IS 3976:2018 With A1 & A2 Clause no. 5.2.5.5 (Ref. Cl. 8.4 of IS 15298 (Part-1))
25.		Tear Strength, Outsole	IS 3976:2018 With A1 & A2 Clause no. 5.2.5.6 (Ref. Cl. 8.2 of IS 15298 (Part-1))
26.		Resistance to Hot Contact, Outsole	IS 3976:2018 With A1 & A2 Clause no. 5.2.5.7 (Ref. Cl. 8.7 of IS 15298 (Part-1))
27.		Hydrolysis, Outsole	IS 3976:2018 With A1 & A2 Clause no. 5.2.5.8 (Ref. Cl. 8.5 of IS 15298 (Part-1))
28.		Ageing For Whole Footwear	IS 3976:2018 With A1 & A2 Clause no. 5.2.6



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
29.	Safety Boots for Miners — Specification	Thread for Upper Closing, Sulphur dyes	IS 3976:2018 With A1 & A2 Clause no. 5.2.7 & (Ref. Annex-B)
30.		Sewing Thread For Body	IS 3976:2018 With A1 & A2 Clause no. 5.2.7 & Table-4 (i) (Ref. of IS 9543)
31.		Sewing Thread For piping/binding	IS 3976:2018 With A1 & A2 Clause no. 5.2.7 & Table-4 (ii) (Ref. of IS 9543)
32.		General, Safety Toe-Cap	IS 3976:2018 With A1 & A2 Clause no. 5.2.8.1 (Ref. of IS 15298 (Part-1))
33.		Internal length of toecaps	IS 3976:2018 With A1 & A2 Clause no. 5.2.8.2 (Ref. of IS 15298 (Part-1))
34.		Corrosion resistance	IS 3976:2018 With A1 & A2 Clause no. 5.2.8.1 (Ref. Annex-E of IS 5852 (Part-1):2019)
35.		Laces, Length	IS 3976:2018 With A1 & A2 Clause no. 5.2.9.1
36.		Laces, Breaking Load	IS 3976:2018 With A1 & A2 Clause no. 5.2.9.2 (Ref. of Annex C)
37.		Laces, Sulphur dyes and Laces Ends material	IS 3976:2018 With A1 & A2 Clause no. 5.2.9.3 (Ref. of Annex B)
38.		Laces, Colour	IS 3976:2018 With A1 & A2 Clause no. 5.2.9.4
39.	Safety Boots for Miners — Specification	Breaking load	IS 3976:2018 With A1 & A2 Clause no. 5.2.9.5 (Ref. of Annex C)



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	Leather and Leather Products		
40.		Tag retention	IS 3976:2018 With A1 & A2 Clause no. 5.2.9.5 (Ref. of Annex C)
41.		Abrasion resistance, (Lace to Lace)	IS 3976:2018 With A1 & A2 Clause no. 5.2.9.6.1 (Ref. of Method 1 of IS 8085 (Part 17))
42.		Abrasion resistance, (Lace to Eyelet)	IS 3976:2018 With A1 & A2 Clause no. 5.2.9.6.1 (Ref. of Method 3 of IS 8085 (Part 17))
43.		Eyelets, Material	IS 3976:2018 With A1 & A2 Clause no. 5.2.10
44.		Eyelets: Collar Diameter	IS 3976:2018 With A1 & A2 Clause no. 5.2.10
45.		Eyelets: Pull- out Test	IS 3976:2018 With A1 & A2 Clause no. 5.2.10 (Ref. Annex-B of IS 17861:2022)
46.		Counter Stiffener, Material	IS 3976:2018 With A1 & A2 Clause no. 5.2.11
47.		Counter Stiffener, Thickness	IS 3976:2018 With A1 & A2 Clause no. 5.2.11
48.		Material and thickness, of Insole	IS 3976:2018 With A1 & A2 Clause no. 5.2.12.1 {Ref. of IS 15298 (Part-1) & IS 17275 (Part 1) & IS 17275 (Part 2)}
49.	Safety Boots for Miners — Specification	Abrasion Resistance, of Insole	IS 3976:2018 With A1 & A2 Clause no. 5.2.12.2 (Ref. of IS 15298 (Part-1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
50.		Water absorption, of Insole	IS 3976:2018 With A1 & A2 Clause no. 5.2.12.3 (Ref. of IS 15298 (Part-1))
51.		Water desorption, of Insole	IS 3976:2018 With A1 & A2 Clause no. 5.2.12.3 (Ref. of IS 15298 (Part-1))
52.		Abrasion Resistance, of in sock	IS 3976:2018 With A1 & A2 Clause no. 5.2.13.1 (Ref. of IS 15298 (Part-1))
53.		Water absorption, of in sock	IS 3976:2018 With A1 & A2 Clause no. 5.2.13.2 (Ref. of IS 15298 (Part-1))
54.		Water desorption, of in sock	IS 3976:2018 With A1 & A2 Clause no. 5.2.13.2 (Ref. of IS 15298 (Part-1))
55.		Stitch used in upper, Construction	IS 3976:2018 With A1 & A2 Clause no. 5.3.1
56.		Pairs of eyelets, Construction	IS 3976:2018 With A1 & A2 Clause no. 5.3.1
57.		Tongue Material, Construction	IS 3976:2018 With A1 & A2 Clause no. 5.3.2
58.		Edges Binding, Construction	IS 3976:2018 With A1 & A2 Clause no. 5.3.3
59.		Jagloop, Vamp & Half of The Quarter, Construction	IS 3976:2018 With A1 & A2 Clause no. 5.3.4
60.		Toe-Caps, Construction	IS 3976:2018 With A1 & A2 Clause no. 5.3.5
61.	Safety Boots for Miners — Specification	Foxing Strip- width	IS 3976:2018 With A1 & A2 Clause no. 5.3.6



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
62.		Foxing Strip- thickness, Construction	IS 3976:2018 With A1 & A2 Clause no. 5.3.6
63.		Insock- material and density, Construction	IS 3976:2018 With A1 & A2 Clause no. 5.3.7 (Ref. of Clause 5.2.2)
64.		Insock Thickness, Construction	IS 3976:2018 With A1 & A2 Clause no. 5.3.7
65.		Finish	IS 3976:2018 With A1 & A2 Clause no. 5.4
66.		Mass	IS 3976:2018 With A1 & A2 Clause no. 5.5
67.		Height Of Upper	IS 3976:2018 With A1 & A2 Clause no. 5.6 (Ref. Cl. 6.2 of IS 15298 (Part-1))
68.		Impact Test	IS 3976:2018 With A1 & A2 Clause no. 5.7 (Ref. Cl. 5.4 of IS 15298 (Part-1))
69.		Upper Outsole Bond Strength	IS 3976:2018 With A1 & A2 Clause no. 5.8 (Ref. Cl. 5.2 of IS 15298 (Part-1))
70.		Sole Interlayer Bond Strength for Bi-polymer and Bi-density Sole	IS 3976:2018 With A1 & A2 Clause no. 5.9 (Ref. Cl. 5.2 of IS 15298 (Part-1))
71.	Safety Boots for Miners — Specification	Consolidation Test, for upper	IS 3976:2018 With A1 & A2 Clause no. 5.10 (Ref. of IS 3400 (Part-5))
72.		Compression Resistance	IS 3976:2018 With A1 & A2 Clause no. 5.11 (Ref. Cl. 5.5 of IS 15298 (Part-1))



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Atharva Laboratories Private Limited

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Gautam Buddha Nagar-201305, Uttar Pradesh, India

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
73.		Slip Resistance test	IS 3976:2018 With A1 & A2 Clause no. 5.12 (Ref. Cl. 5.11 of IS 15298 (Part-1))
74.		Energy Absorption Test	IS 3976:2018 With A1 & A2 Clause no. 5.13 (Ref. of Cl. 5.14 of IS 15298 (Part-1))
75.		Abrasion Resistance of Compact outsole	IS 3976:2018 With A1 & A2 Clause no. 6.1 (Ref. of Cl. 8.3 of IS 15298 (Part-1))
76.		Flexing Resistance of Compact outsole	IS 3976:2018 With A1 & A2 Clause no. 6.2 (Ref. of Cl. 8.4 of IS 15298 (Part-1))
77.		Tear Strength of Compact outsole	IS 3976:2018 With A1 & A2 Clause no. 6.3 (Ref. of Cl. 8.2 of IS 15298 (Part-1))
78.		Resistance To Hot Contact-Sole Heel	IS 3976:2018 With A1 & A2 Clause no. 6.4 (Ref. of Cl. 8.7 of IS 15298 (Part-1))
79.		Hydrolysis	IS 3976:2018 With A1 & A2 Clause no. 6.5 (Ref. of Cl. 8.5 of IS 15298 (Part-1))
80.		Resistance To Fuel	IS 3976:2018 With A1 & A2 Clause no. 7.1 (Ref. of IS 15298 (Part-1))
81.	Sports footwear - Part-1 General Purpose	Category and Type	IS 15844: PART 1 :2023 with A1 Clause. 4.2
82.		Insole	IS 15844: PART 1 :2023 with A1, Clause. 5, Table 1 (i)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
83.		Toe spring	IS 15844: PART 1 :2023 with A1, Clause. 5, Table 1 (ii) (Ref. Fig. 1 of Annex B IS 15844: PART 1 :20232023)
84.		Bond performance, a) Upper to sole/mid sole/composite sole	IS 15844: PART 1 :2023with A1, Clause. 5, Table 1(iii) (Ref. Annex C, IS 15844: PART 1 :20232023)
85.		Bond performance, b) Interlayer bond strength	IS 15844: PART 1 :2023 with A1, Clause. 5, Table 1(iii) (Ref. Annex C, IS 15844: PART 1 :20232023)
86.		Energy Absorption at Seat Region	IS 15844: PART 1 :2023 with A1, Clause. 5, Table 1(iv) (Ref. IS 15298: Part 1)
87.		Complete Shoe Flexing	IS 15844: PART 1 :2023 with A1, Clause. 5, Table 1(v) (Ref. 'IS 8085 (Part 16)/ISO 24266')
88.		Slip resistance, coefficient	IS 15844: PART 1 :2023with A1, Clause. 5, Table 1(vii) (Ref. Annex E, IS 15844: PART 1 :20232023)
89.	Sports footwear - Part-1 General Purpose	Abrasion resistance1 (volume loss),	IS 15844: PART 1 :2023 with A1 Clause. 5, Table 1 (viii) (Ref. IS 3400 (Part 3)),
90.		Hydrolysis resistance	IS 15844: PART 1 :2023 with A1 Clause. 5, Table 1 (ix) (Ref. IS 15298 (Part 1))
91.		Tear strength of upper	IS 15844: PART 1 :2023 with A1 Clause. 4.4 & Table 2 (i) (Ref. IS 5914 (Part



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			5/Sec 2)/ISO 3377-2),
92.		Colour fastness rubbing (To and fro) of upper	IS 15844: PART 1 :2023 with A1 Clause. 4.4 & Table 2 (ii) (Ref. IS 6191 (Part 4))
93.		Water vapour permeability of upper	IS 15844: PART 1 :2023 with A1 Clause. 4.4 & Table 2 (iii) (Ref. IS 15298 Part 1),
94.		Water vapour coefficient of upper	IS 15844: PART 1 :2023 with A1 Clause. 4.4 & Table 2 (iii) (Ref. IS 15298 Part 1),
95.		Stitch tear strength (double hole) of upper	IS 15844: PART 1 :2023 with A1 Clause. 4.4 & Table 2 (iv) (Ref. LP 8 of IS 5914)
96.		Breaking strength of upper	IS 15844: PART 1 :2023 with A1 Clause. 4.4 & Table 3 (i) (Ref. IS 7016 (Part 2) Method 1)
97.		Elongation at break of upper	IS 15844: PART 1 :2023 with A1 Clause. 4.4 & Table 3 (ii) (Ref. IS 7016 (Part 2) Method 1)
98.	Sports footwear - Part-1 General Purpose	Tear strength of upper	IS 15844: PART 1 :2023 with A1 Clause. 4.4 & Table 3 (iii) (Ref. IS 15298 (Part 1))
99.		Flexing resistance of upper	IS 15844: PART 1 :2023 with A1 Clause. 4.4 & Table 3 (iv) (Ref. IS 8085 (Part 20)/ ISO 17694)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
100.		Water vapour permeability of upper	IS 15844: PART 1 :2023 with A1 Clause. 4.4 & Table 3 (v) (Ref. IS 15298 Part 1),
101.		Water vapour coefficient of upper	IS 15844: PART 1 :2023 with A1 Clause. 4.4 & Table 3 (v) (Ref. IS 15298 Part 1),
102.		Hydrolysis resistance of upper	IS 15844: PART 1 :2023 with A1 Clause. 4.4 & Table 3 (vi) (Ref. IS 15298 Part -1)
103.		Bursting Strength of upper	IS 15844: PART 1 :2023 with A1 Clause. 4.4 & Table 3 (vii) (Ref. IS 1966 (Part 2))
104.		Tear strength of lining	IS 15844: PART 1 :2023 with A1 Clause. 4.5 & Table 4 (i) (Ref. IS 15298(Part 1)),
105.		Abrasion resistance of lining	IS 15844: PART 1 :2023 with A1 Clause. 4.5 & Table 4 (ii) (Ref. IS 15298(Part 1))
106.		Colour fastness to rubbing (crocking)of lining	IS 15844: PART 1 :2023 with A1 Clause. 4.5 & Table 4 (iii) (Ref. IS/ISO 105-X12)
107.		Colour fastness to perspiration (contact method) of lining	IS 15844: PART 1 :2023 with A1 Clause. 4.5 & Table 4 (iv) (Ref. IS 6191/ISO 11641)
108.	Sports footwear - Part-1 General Purpose	Water vapour permeability of lining	IS 15844: PART 1 :2023 with A1 Clause. 4.5 & Table 4 (v) (Ref. IS 15298(Part 1))
109.		Water vapour coefficient of lining	IS 15844: PART 1 :2023 with A1 Clause. 4.5 & Table 4 (v) (Ref. IS 15298(Part 1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
110.		Thickness of insole	IS 15844: PART 1 :2023 with A1 Clause. 4.6 & Table 5 (i) (Ref. IS 15298 Part 1))
111.		Flexing index of insole	IS 15844: PART 1 :2023 with A1 Clause. 4.6 & Table 5 (ii) (Ref. Annex F, IS 15844: PART 1 :20232023)
112.		Abrasion resistance, of insole	IS 15844: PART 1 :2023 with A1 Clause. 4.6 & Table 5 (iii) (Ref. IS 15298 Part 1)
113.		Water Absorption of insole	IS 15844: PART 1 :2023 with A1 Clause. 4.6 & Table 5 (iv) (Ref. IS 15298 Part 1),
114.		Water Desorption of insole	IS 15844: PART 1 :2023 with A1 Clause. 4.6 & Table 5 (iv) (Ref. IS 15298 Part 1),
115.		Thickness of insocks	IS 15844: PART 1 :2023 with A1 Clause. 4.7 & Table 6 (i) (Ref. IS 15298 Part 1),
116.		Abrasion resistance (dry condition) of insocks	IS 15844: PART 1 :2023 with A1 Clause. 4.7 & Table 6 (ii) (Ref. IS 15298 Part 1),
117.		Abrasion resistance (wet condition) of insocks	IS 15844: PART 1 :2023 with A1 Clause. 4.7 & Table 6 (ii) (Ref. IS 15298 Part 1),
118.	Sports footwear - Part-1 General Purpose	Water Absorption of insole	IS 15844: PART 1 :2023 with A1 Clause. 4.7 & Table 6 (iii) (Ref. IS 15298 Part 1),
119.		Water Desorption of insocks	IS 15844: PART 1 :2023 with A1 Clause. 4.7 & Table 6 (iii) (Ref. IS 15298 Part 1),



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
120.		Flexing resistance of outsole (Belt method)	IS 15844: PART 1 :2023 with A1 Clause. 4.8 & Table 7 (i) (Ref. IS 8085 (Part 4)),
121.		Flexing resistance of outsole (Bennewart method)	IS 15844: PART 1 :2023 with A1 Clause. 4.8 & Table 7 (i) (Ref. Annex D of IS 15844: PART 1)
122.		Hydrolysis resistance,	IS 15844: PART 1 :2023 with A1 Clause. 4.8 & Table 7 (ii) (Ref. IS 15298 Part 1),
123.		Compression set, of midsole	IS 15844: PART 1 :2023 with A1 Clause. 4.9 & Table 8 (i) (Ref. Annex G of IS 15844: PART 1)
124.		Split tear strength of midsole	IS 15844: PART 1 :2023 with A1 Clause. 4.9 & Table 8 (ii) (Ref. Annex H of IS 15844: PART 1)
125.		Heat shrinkage, of midsole	IS 15844: PART 1 :2023 with A1 Clause. 4.9 & Table 8 (iii) (Ref. Annex J of IS 15844: PART 1)
126.	Sports footwear - Part-1 General Purpose	First dry collapsing load, hardness, of counter stiffner	IS 15844: PART 1 :2023 with A1 Clause. 4.10 & Table 9 (i) (Ref. Annex A-3.2.6 of IS 7554),
127.		Resilience, of counter stiffner	IS 15844: PART 1 :2023 with A1 Clause. 4.10 & Table 9 (ii) (Ref. Annex A-3.4 of IS 7554),



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
128.		Moisture resistance, of counter stiffener	IS 15844: PART 1 :2023 with A1 Clause. 4.10 & Table 9 (iii) (Ref. Annex A-3.5 of IS 7554)
129.		Initial dry area shape retention of counter stiffener	IS 15844: PART 1 :2023 with A1 Clause. 4.10 & Table 9 (iv) (Ref. Annex A-3.1 of IS 7554)
130.		Area shape retention after 10th collapse of counter stiffener	IS 15844: PART 1 :2023 with A1 Clause. 4.10 & Table 9 (iv) (Ref. Annex A-3.3 of IS 7554)
131.		Peel strength of Velcro	IS 15844: PART 1 :2023 with A1 Clause. 4.11 & Table 10 (i) (Ref. IS 8085 (Part 18)/ISO 22777)
132.		Shear strength of Velcro	IS 15844: PART 1 :2023 with A1 Clause. 4.11 & Table 10 (ii) (Ref. ISO 22776)
133.		Limit of useful extension of elastic	IS 15844: PART 1 :2023 with A1 Clause. 4.12 & Table 11 (i) (Ref. IS 8085 (Part 12)/ISO 10765)
134.	Sports footwear - Part-1 General Purpose	Breaking strength of lace	IS 15844: PART 1 :2023 with A1 Clause. 4.13 & Table 12 (i) (Ref. Annex K of IS 15844: PART 1)
135.		Lace tag strength	IS 15844: PART 1 :2023 with A1 Clause. 4.13 & Table 12 (ii) (Ref. Annex L of IS 15844: PART 1)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
136.		Lace to lace abrasion,	IS 15844: PART 1 :2023 with A1 Clause. 4.13 & Table 12 (iii) (Ref. IS 8085 (Part 17)/ISO 22774)
137.		Colour fastness to water (for lace) (Contact method)	IS 15844: PART 1 :2023 with A1 Clause. 4.13 & Table 12 (iv) (Ref. IS 6191 (Part 2) or IS/ISO 105-E01)
138.		Strength of Buckle/Ski hook,	IS 15844: PART 1 :2023 with A1 Clause. 4.13 & Table 12 (v) (Ref. Annex M of IS 15844: PART 1)
139.		Corrosion resistance (Metal parts)	IS 15844: PART 1 :2023 with A1 Clause. 4.13 & Table 12 (vi) (IS 17098 (both Method 1 & Method 2))
140.	Sports footwear - Part-2 Performance Sports footwear	Design	IS 15844: PART 2:2023 with A1 Clause 5
141.		Size and fittings	IS 15844: PART 2:2023 with A1 Clause 6 (Ref. IS 1638)
142.		Toe Spring	IS 15844: PART 2:2023 with A1 Clause 7.1.1 (Ref. Fig. 1 of IS 15844 (Part 1))
143.	Sports footwear - Part-2 Performance Sports footwear	Upper to Mid Sole/Out Sole Bond Performance	IS 15844: PART 2:2023 with A1 Clause 7.1.2 (Ref. Annex C of IS 15844 (Part 1))
144.		Upper to Composite Sole Bond Performance	IS 15844: PART 2:2023 with A1 Clause 7.1.3 (Ref. Annex C of IS 15844 (Part 1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
145.		Out Sole to Mid Sole Bond Performance	IS 15844: PART 2:2023 with A1 Clause 7.1.4 (Ref. Annex C of IS 15844 (Part 1))
146.		Energy Absorption at Seat Region	IS 15844: PART 2:2023 with A1 Clause 7.1.5 (Ref. IS 15298 (Part 1))
147.		Complete Shoe Flexing	IS 15844: PART 2:2023 with A1 Clause 7.1.6 (Ref. ISO 24266 (Method A))
148.		Slip Resistance	IS 15844: PART 2:2023 with A1 Clause 7.1.8 (Ref. Annex E of IS 15844 (Part 1))
149.		Heel Drop	IS 15844: PART 2:2023 with A1 Clause 7.1.9 & Table 1 (Ref. Fig. 1 of IS 15844 (Part 1))
150.		Flexing resistance, of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 2 (i) (Ref. IS 5914 (Part6/Sec1)/ISO 5402-1)
151.	Sports footwear - Part-2	Tear strength, of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 2 (ii) (Ref. IS 5914 (Part 5/Sec 2)/ISO 3377-2)
152.	Performance Sports footwear	Colour fastness rubbing (to and fro) of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 2 (iii) (Ref. IS 6191 (Part 4)/ISO 11640: 2012)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
153.		Water vapour permeability, of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 2 (iv) (Ref. IS 15298 (Part 1))
154.		Water vapour coefficient, of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 2 (iv) (Ref. IS 15298 (Part 1))
155.		Stitch tear strength (double hole), of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 2 (v) (Ref. LP 8 of IS 5914)
156.		Tensile strength, of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 2 (vii) (Ref. IS 5914 (Part 8)/ISO 3376)
157.		Elongation at break, of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 2 (viii) (Ref. IS 5914 (Part 8)/ISO 3376)
158.		Water penetration, of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 2 (ix) (Ref. IS 15298 (Part 1))
159.	Sports footwear - Part-2 Performance Sports footwear	Water absorption, of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 2 (ix) (Ref. IS 15298 (Part 1))
160.		Abrasion test of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 2 (x) (Ref. IS 15298 (Part 1))



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
161.		Breaking strength, of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 3 (i) (Ref. Method 1 of IS 7016 (Part 2)/ ISO 1421: 2016 or ISO 17706)
162.		Elongation at break, of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 3 (ii) (Ref. Method 1 of IS 7016 (Part 2)/ ISO 1421: 2016 or ISO 17706)
163.		Tear strength, of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 3 (iii) (Ref. IS 15298 (Part 1))
164.		Strength at needle perforation, of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 3 (iv) (Ref. Method 'A' of IS 8085 (Part 13)/ ISO 17697)
165.		Flexing resistance, of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 3 (v) (Ref. IS 8085 (Part 20)/ISO 17694)
166.		Water vapour permeability, of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 3 (vi) (Ref. IS 15298 (Part 1))
167.	Sports footwear - Part-2 Performance Sports footwear	Water vapour coefficient of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 3 (vi) (Ref. IS 15298 (Part 1))



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
168.		Hydrolysis resistance of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 3 (vii) (Ref. IS 16645/ISO 5423: 1992)
169.		Bursting strength of upper	IS 15844: PART 2:2023 with A1 Clause 7.2 & Table 3 (ix) (Ref. IS 1966 (Part 2)/ISO 13938-2: 2019)
170.		Tear strength of lining	IS 15844: PART 2:2023 with A1 Clause 7.3 & Table 4 (i) (Ref. IS 15298 (Part 1)
171.		Abrasion resistance of lining	IS 15844: PART 2:2023 with A1 Clause 7.3 & Table 4 (ii) (Ref. IS 15298 (Part 1)
172.		Colour fastness to rubbing (crocking), of lining	IS 15844: PART 2:2023 with A1 Clause 7.3 & Table 4 (iii) (Ref. IS/ISO 105-X12)
173.		Colour fastness to perspiration (contact method) of lining	IS 15844: PART 2:2023 with A1 Clause 7.3 & Table 4 (iv) (Ref. IS 6191 (Part 6)/ISO 11641)
174.		Water vapour permeability of lining	IS 15844: PART 2:2023 with A1 Clause 7.3 & Table 4 (v) (Ref. IS 15298 (Part 1)
175.		Water vapour coefficient of lining	IS 15844: PART 2:2023 with A1 Clause 7.3 & Table 4 (v) (Ref. IS 15298 (Part 1)
176.	Sports footwear - Part-2 Performance Sports footwear	Flexing index, of insole	IS 15844: PART 2:2023 with A1 Clause 7.4 & Table 5 (ii) (Ref. Annex F of IS 15844 (Part 1))



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
177.		Abrasion resistance of insole	IS 15844: PART 2:2023 with A1 Clause 7.4 & Table 5 (iii) (Ref. IS 15298 (Part 1))
178.		Water Absorption of insole	IS 15844: PART 2:2023 with A1 Clause 7.4 & Table 5 (iv) (Ref. IS 15298 (Part 1))
179.		Water Desorption of insole	IS 15844: PART 2:2023 with A1 Clause 7.4 & Table 5 (iv) (Ref. IS 15298 (Part 1))
180.		Thickness of insock	IS 15844: PART 2:2023 with A1 Clause 7.5 & Table 6 (i) (Ref. IS 15298 (Part 1))
181.		Abrasion resistance of insock	IS 15844: PART 2:2023 with A1 Clause 7.5 & Table 6 (ii) (Ref. IS 15298 (Part 1))
182.		Water Absorption of insock	IS 15844: PART 2:2023 with A1 Clause 7.5 & Table 6 (iii) (Ref. IS 15298 (Part 1))
183.		Water Desorption of insock	IS 15844: PART 2:2023 with A1 Clause 7.5 & Table 6 (iii) (Ref. IS 15298 (Part 1))
184.		Heat resistance shrinkage linear of insock	IS 15844: PART 2:2023 with A1 Clause 7.5 & Table 6 (iv) (Ref. Annex J of IS 15844(Part 1))



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
185.	Sports footwear - Part-2 Performance Sports footwear	Abrasion resistance (volume loss) of outsole	IS 15844: PART 2:2023 with A1 Clause 7.6 & Table 7 (i) (Ref. IS 3400 (Part 3)/ISO 4649 :2016)
186.		Flexing resistance (belt method) of outsole	IS 15844: PART 2:2023 with A1 Clause 7.6 & Table 7 (ii) (Ref. IS 8085 (Part 4)/ISO 16177: 2012)
187.		Hydrolysis resistance of outsole	IS 15844: PART 2:2023 with A1 Clause 7.6 & Table 7 (iii) (Ref. IS 15298 (Part 1))
188.		Tear strength of outsole	IS 15844: PART 2:2023 with A1 Clause 7.6 & Table 7 (iv) (Ref. IS 15298 (Part 1))
189.		Tensile strength of outsole	IS 15844: PART 2:2023 with A1 Clause 7.6 & Table 7 (v) (Ref. IS 3400 (Part 1)/ISO 37: 2017)
190.		Elongation at break %, of outsole	IS 15844: PART 2:2023 with A1 Clause 7.6 & Table 7 (vi) (Ref. IS 3400 (Part 1)/ISO 37: 2017)
191.		Compression set % of outsole	IS 15844: PART 2:2023 with A1 Clause 7.6 & Table 7 (vii) (Ref. Annex G of IS 15844 (Part 1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
192.	Sports footwear - Part-2 Performance Sports footwear	Compression set % of midsole	IS 15844: PART 2:2023 with A1 Clause 7.7 & Table 8 (i) (Ref. Annex G of IS 15844 (Part 1))
193.		Split tear strength of midsole	IS 15844: PART 2:2023 with A1 Clause 7.7 & Table 8 (ii) (Ref. Annex H of IS 15844 (Part 1))
194.		Heat shrinkage, of midsole	IS 15844: PART 2:2023 with A1 Clause 7.7 & Table 8 (iii) (Ref. Annex J of IS 15844 (Part 1))
195.		Elongation at break of midsole	IS 15844: PART 2:2023 with A1 Clause 7.7 & Table 8 (iv) (Ref. IS 3400 (Part 1)/ISO 37: 2017)
196.		First dry collapsing load, hardness, of counter stiffner	IS 15844: PART 2:2023 with A1 Clause 7.8 & Table 9 (i) (Ref. Annex A-3.2.6 of IS 7554)
197.		Resilience, of counter stiffner, of counter stiffner	IS 15844: PART 2:2023 with A1 Clause 7.8 & Table 9 (ii) (Ref. Annex A-3.4 of IS 7554)
198.	Sports footwear - Part-2 Performance Sports footwear	Moisture resistance, of counter stiffner	IS 15844: PART 2:2023 with A1 Clause 7.8 & Table 9 (iii) (Ref. Annex A-3.5 of IS 7554)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
199.		Initial dry area shape retention, of counter stiffener	IS 15844: PART 2:2023 with A1 Clause 7.8 & Table 9 (iv) (Ref. Annex A-3.1 of IS 7554)
200.		Area shape retention after 10th collapse, of counter stiffener	IS 15844: PART 2:2023 with A1 Clause 7.8 & Table 9 (iv) (Ref. Annex A-3.3 of IS 7554)
201.		Peel strength of counter stiffener	IS 15844: PART 2:2023 with A1 Clause 7.8 & Table 9 (v) (Ref. Annex C of IS 15844 (Part 1))
202.		Peel strength, of Velcro	IS 15844: PART 2:2023 with A1 Clause 7.9 & Table 10 (i) (Ref. IS 8085 (Part 18)/ISO 22777))
203.		Shear strength, of Velcro	IS 15844: PART 2:2023 with A1 Clause 7.9 & Table 10 (ii) (Ref. IS 8085 (Part 19)/ISO 22776)
204.		Limit of useful extension of Elastic tape	IS 15844: PART 2:2023 with A1 Clause 7.10 & Table 11 (i) (Ref. IS 8085 (Part 12)/ISO 10765)
205.	Sports footwear - Part-2 Performance Sports footwear	Needle strength of Elastic tape	IS 15844: PART 2:2023 with A1 Clause 7.10 & Table 11 (ii) (Ref. Method 'A' of IS 8085 (Part 13)/ISO 17697)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
206.		Breaking strength of lace	IS 15844: PART 2:2023 with A1 Clause 7.11 & Table 12 (i) (Ref. Annex K of IS 15844 (Part 1))
207.		Lace tag strength	IS 15844: PART 2:2023 with A1 Clause 7.11 & Table 12 (ii) (Ref. Annex L of IS 15844 (Part 1))
208.		Lace to lace abrasion, of Fasteners	IS 15844: PART 2:2023 with A1 Clause 7.11 & Table 12 (iii) (Ref. IS 8085 (Part 17)/ISO 22774)
209.		Colour fastness to water (for lace) (Contact method)	IS 15844: PART 2:2023 with A1 Clause 7.11 & Table 12 (iv) (Ref. IS 6191 (Part 2)/ISO 11642 :2012)/ (IS/ISO 105-E02)
210.		Strength of Buckle/Ski hook of Fasteners	IS 15844: PART 2:2023 with A1 Clause 7.11 & Table 12 (v) (Ref. Annex M of IS 15844 (Part 1))
211.		Corrosion resistance (Metal parts) of Fasteners	IS 15844: PART 2:2023 with A1 Clause 7.11 & Table 12 (vi) (Ref. IS 17098)
212.	Sports footwear - Part-3	Design	IS 15844 (PART 3): 2024 Clause 5
213.	Professional Sports Footwear	Size and fittings	IS 15844 (PART 3): 2024 Clause 6 (Ref. IS 1638)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
214.		Upper to Mid Sole/Out Sole Bond Performance	IS 15844 (PART 3): 2024 Clause 7.1.1 (Ref. Annex C of IS 15844 (Part 1))
215.		Upper to Composite Sole Bond Performance	IS 15844 (PART 3): 2024 Clause 7.1.1 (Ref. Annex C of IS 15844 (Part 1))
216.		Out Sole to Mid Sole (Multilayer, if present) Bond Performance	IS 15844 (PART 3): 2024 Clause 7.1.1 (Ref. Annex C of IS 15844 (Part 1))
217.		Energy Absorption at Seat Region	IS 15844 (PART 3): 2024 Clause 7.1.2 (Ref. IS 15298 (Part 1))
218.		Complete Shoe Flexing	IS 15844 (PART 3): 2024 Clause 7.1.3 (Ref. ISO 24266 (Method A))
219.		Slip Resistance	IS 15844 (PART 3): 2024 Clause 7.1.5 (Ref. Annex E of IS 15844 (Part 1))
220.		Heel Drop	IS 15844 (PART 3) Clause 7.1.6 & Table 1 (Fig. 1 of IS 15844 (Part 1))
221.	Sports footwear - Part-3 Professional Sports Footwear	Flexing resistance, of upper	IS 15844 (PART 3): 2024 Clause 7.2 & Table 2 (i) (Ref. IS 5914 (Part 6/Sec 1)/ISO 5402-1)
222.		Tear strength, of upper	IS 15844 (PART 3): 2024 Clause 7.2 & Table 2 (ii) (Ref. IS 5914 (Part 5/Sec 2)/ISO 3377-2)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
223.		Colour fastness rubbing (to and fro) of upper	IS 15844 (PART 3): 2024 Clause 7.2 & Table 2 (iii) (Ref. IS 6191 (Part 4)/ISO 11640: 2012)
224.		Water vapour permeability, of upper	IS 15844 (PART 3): 2024 Clause 7.2 & Table 2 (iv) (Ref. IS 15298 (Part 1))
225.		Water vapour coefficient, of upper	IS 15844 (PART 3): 2024 Clause 7.2 & Table 2 (iv) (Ref. IS 15298 (Part 1))
226.		Stitch tear strength (double hole), of upper	IS 15844 (PART 3): 2024 Clause 7.2 & Table 2 (v) (Ref. LP 8 of IS 5914)
227.		Tensile strength, of upper	IS 15844: PART 2:2023 Clause 7.2 & Table 2 (vii) (Ref. IS 5914 (Part 8)/ISO 3376)
228.		Elongation at break, of upper	IS 15844: PART 2:2023 Clause 7.2 & Table 2 (viii) (Ref. IS 5914 (Part 8)/ISO 3376)
229.	Sports footwear - Part-3 Professional Sports Footwear	Abrasion test of upper	IS 15844 (PART 3): 2024 Clause 7.2 & Table 2 (ix) (Ref. IS 15298 (Part 1))
230.		Breaking strength, of upper	IS 15844 (PART 3): 2024 Clause 7.2 & Table 3 (i) (Ref. Method 1 of IS 7016 (PART 2)/ ISO 1421 or ISO 17706)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
231.		Elongation at break, of upper	IS 15844 (PART 3): 2024 Clause 7.2 & Table 3 (ii) (Ref. Method 1 of IS 7016 (PART 3)/ ISO 1421 or ISO 17706)
232.		Tear strength, of upper	IS 15844 (PART 3): 2024 Clause 7.2 & Table 3 (iii) (Ref. IS 15298 (Part 1))
233.		Strength at needle perforation, of upper	IS 15844 (PART 3): 2024 Clause 7.2 & Table 3 (iv) (Ref. Method 'A' of IS 8085 (Part 13)/ ISO 17697)
234.		Flexing resistance of upper	IS 15844 (PART 3): 2024 Clause 7.2 & Table 3 (v) (Ref. IS 8085 (PART 20)/ISO 17694)
235.		Water vapour permeability, of upper	IS 15844 (PART 3): 2024 Clause 7.2 & Table 3 (vi) (Ref. IS 15298 (Part 1))
236.		Water vapour coefficient, of upper	IS 15844 (PART 3): 2024 Clause 7.2 & Table 3 (vi) (Ref. IS 15298 (Part 1))
237.	Sports footwear - Part-3 Professional Sports Footwear	Hydrolysis resistance, of upper	IS 15844 (PART 3): 2024 Clause 7.2 & Table 3 (vii) (Ref. IS 15298 (Part 1))
238.		Bursting strength, of upper	IS 15844: PART 2:2023 Clause 7.2 & Table 3 (ix) (Ref. IS 1966 (Part 2)/ISO 13938-2)
239.		Tear strength, of lining	IS 15844 (PART 3): 2024 Clause 7.3 & Table 4 (i) (Ref. IS 15298 (Part 1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
240.		Abrasion resistance, of lining	IS 15844 (PART 3): 2024 Clause 7.3 & Table 4 (ii) (Ref. IS 15298 (Part 1))
241.		Colour fastness to rubbing (crocking) of lining	IS 15844 (PART 3): 2024 Clause 7.3 & Table 4 (iii) (Ref. IS/ISO 105-X12)
242.		Colour fastness to perspiration (contact method) of lining	IS 15844 (PART 3): 2024 Clause 7.3 & Table 4 (iv) (Ref. IS 6191 (Part-6)/ISO 11641)
243.		Water vapour permeability of lining	IS 15844 (PART 3): 2024 Clause 7.3 & Table 4 (v) (Ref. IS 15298 (Part 1))
244.		Water vapour coefficient of lining	IS 15844 (PART 3): 2024 Clause 7.3 & Table 4 (v) (Ref. IS 15298 (Part 1))
245.		Flexing index of Insole	IS 15844 (PART 3): 2024 Clause 7.4 & Table 5 (i) (Ref. Annex F of IS 15844 (Part 1))
246.		Abrasion resistance of Insole	IS 15844 (PART 3): 2024 Clause 7.4 & Table 5 (ii) (Ref. IS 15298 (Part 1))
247.	Sports footwear - Part-3 Professional Sports Footwear	Water Absorption of Insole	IS 15844 (PART 3): 2024 Clause 7.4 & Table 5 (iii) (Ref. IS 15298 (Part 1))
248.		Water Desorption of Insole	IS 15844 (PART 3): 2024 Clause 7.4 & Table 5 (iii) (Ref. IS 15298 (Part 1))
249.		Abrasion resistance of Insock	IS 15844 (PART 3): 2024 Clause 7.4 & Table 6 (i) (Ref. IS 15298 (Part 1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
250.		Water Absorption of Insock	IS 15844 (PART 3): 2024 Clause 7.5 & Table 6 (ii) (Ref. IS 15298 (Part 1))
251.		Water Desorption of Insock	IS 15844 (PART 3): 2024 Clause 7.5 & Table 6 (ii) (Ref. IS 15298 (Part 1))
252.		Heat resistance shrinkage linear of insock	IS 15844 (PART 3): 2024 Clause 7.5 & Table 6 (iii) (Ref. Annex J of IS 15844 (Part 1))
253.		Abrasion resistance (volume loss), of outsole	IS 15844 (PART 3): 2024 Clause 7.6 & Table 7 (i) (Ref. IS 3400 (Part 3)/ISO 4649)
254.		Flexing resistance of outsole (Bennewart method)	IS 15844 (PART 3): 2024 Clause. 7.6 & Table 7 (ii) (Ref. ISO 17707)
255.		Flexing resistance (Ross flexing method)	IS 15844 (PART 3): 2024 Clause 7.6 & Table 7 (ii) (Ref. Annex C and Annex E of IS 16645/ISO 5423)
256.		Hydrolysis resistance,	IS 15844 (PART 3): 2024 Clause 7.6 & Table 7 (iii) (Ref. IS 15298 (Part 1))
257.	Sports footwear - Part-3 Professional Sports Footwear	Tear strength	IS 15844 (PART 3): 2024 Clause 7.6 & Table 7 (iv) (Ref. IS 15298 (Part 1))
258.		Tensile strength	IS 15844 (PART 3): 2024 Clause 7.6 & Table 7 (v) (Ref. IS 3400 (Part 1)/ISO 37: 2017)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
259.		Elongation at break %,	IS 15844 (PART 3): 2024 Clause 7.6 & Table 7 (vi) (Ref. IS 3400 (Part 1)/ISO 37:2017)
260.		Compression set %	IS 15844 (PART 3): 2024 Clause 7.6 & Table 7 (vii) (Ref. Annex G of IS 15844 (Part 1))
261.		Compression set %	IS 15844 (PART 3): 2024 Clause 7.7 & Table 8 (i) (Ref. Annex G of IS 15844 (Part 1))
262.		Split tear strength	IS 15844 (PART 3): 2024 Clause 7.7 & Table 8 (ii) (Ref. Annex H of IS 15844 (Part 1))
263.		Heat shrinkage,	IS 15844 (PART 3): 2024 Clause 7.7 & Table 8 (iii) (Ref. Annex J of IS 15844 (Part 1))
264.		Elongation at break,	IS 15844 (PART 3): 2024 Clause 7.7 & Table 8 (iv) (Ref. IS 3400 (Part 1)/ISO 37: 2017)
265.		First dry collapsing load, hardness, of counter stiffener	IS 15844 (PART 3): 2024 Clause 7.8 & Table 9 (i) (Ref. Annex A-3.2.6 of IS 7554)
266.		Resilience, of counter stiffner	IS 15844 (PART 3): 2024 Clause 7.8 & Table 9 (ii) (Ref. Annex A-3.4 of IS 7554)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
267.	Sports footwear - Part-3 Professional Sports Footwear	Moisture resistance, of counter stiffner	IS 15844 (PART 3): 2024 Clause 7.8 & Table 9 (iii) (Ref. Annex A-3.5 of IS 7554)
268.		Initial dry area shape retention, of counter stiffner	IS 15844 (PART 3): 2024 Clause 7.8 & Table 9 (iv) (Ref. Annex A-3.1 of IS 7554)
269.		Area shape retention after 10th collapse, of counter stiffner	IS 15844 (PART 3): 2024 Clause 7.8 & Table 9 (iv) (Ref. Annex A-3.3 of IS 7554)
270.		Peel strength, of counter stiffner	IS 15844 (PART 3): 2024 Clause 7.8 & Table 9 (v) (Ref. Annex C of IS 15844 (Part 1))
271.		Peel strength, of velcro fastner	IS 15844 (PART 3): 2024 Clause 7.9 & Table 10 (i) (Ref. IS 8085 (Part 18)/ISO 22777))
272.		Shear strength, of velcro fastner	IS 15844 (PART 3): 2024 Clause 7.9 & Table 10 (ii) (Ref. IS 8085 (Part 19)/ISO 22776)
273.		Limit of useful extension, of Elastic tape	IS 15844 (PART 3): 2024 Clause 7.10 & Table 11 (i) (Ref. IS 8085 (Part 12)/ISO 10765)
274.		Needle Strength	IS 15844 (PART 3): 2024 Clause 7.10 & Table 11 (ii) (Ref. Method 'A' of IS 8085 (Part 13)/ISO 17697)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
275.	Sports footwear - Part-3 Professional Sports Footwear	Breaking strength of lace	IS 15844 (PART 3): 2024 Clause 7.11 & Table 12 (i) (Ref. Annex K of IS 15844 (Part 1))
276.		Lace tag strength	IS 15844 (PART 3): 2024 Clause 7.11 & Table 12 (ii) (Ref. Annex L of IS 15844 (Part 1))
277.		Lace to lace abrasion,	IS 15844 (PART 3): 2024 Clause 7.11 & Table 12 (iii) (Ref. IS 8085 (Part 17)/ISO 22774)
278.		Colour fastness to water (for lace) (Contact method)	IS 15844 (PART 3): 2024 Clause 7.11 & Table 12 (iv) (Ref. IS 6191 (Part 2)/ISO 11642 :2012)
279.		Strength of Buckle/Ski hook/D-ring	IS 15844 (PART 3): 2024 Clause 7.11 & Table 12 (v) (Ref. Annex M of IS 15844 (Part 1))
280.		Corrosion resistance	IS 15844 (PART 3): 2024 Clause 7.11 & Table 12 (vi) (Ref. IS 17098 both Method 1 and Method 2)
281.		Corrosion resistance	IS 15844 (PART 3): 2024 Clause 7.11 & Table 13 (i) (Ref. IS 17098 both Method 1 and Method 2)
282.	Shoes — Specification Part 1 Shoes for Services	Size	IS 17043 (PART 1): 2024 Clause 4.3.1 (Ref. IS 1638)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
283.	Shoes — Specification Part 1 Shoes for Services	Weight	IS 17043 (PART 1): 2024 Clause 4.3.2 & (Ref. Table 2 of IS 17043 (Part 1))
284.		Height of upper	IS 17043 (PART 1): 2024 Clause 4.4 (Ref. Clause 6.2 of IS 15298 (Part 1))
285.		Construction	IS 17043 (PART 1): 2024 Clause 4.5.1
286.		Ergonomic feature	IS 17043 (PART 1): 2024 Clause 4.5.2 (Ref. Clause 5.1 of IS 15298 (Part 1))
287.		Upper - outsole bond strength	IS 17043 (PART 1): 2024 Clause 4.5.3.1 (Ref. Clause 5.2 of IS 15298 (Part 1))
288.		Interlayer bond strength	IS 17043 (PART 1): 2024 Clause 4.5.3.2 (Ref. Clause 5.2 of IS 15298 (Part 1))
289.		Slip resistance	IS 17043 (PART 1): 2024 Clause 4.5.4 (Ref. Clause 5.11 of IS 15298 (Part 1))
290.		Antistatic footwear	IS 17043 (PART 1): 2024 Clause 4.5.5.1 (Ref. Clause 5.10 of IS 15298 (Part 1))
291.		Heat Insulation of Sole Complex	IS 17043 (PART 1): 2024 Clause 4.5.6 (Ref. Clause 5.12 of IS 15298 (Part 1))
292.		Cold Insulation of Sole Complex	IS 17043 (PART 1): 2024 Clause 4.5.7 (Ref. Clause 5.13 of IS 15298 (Part 1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
293.	Shoes — Specification Part 1 Shoes for Services	Energy Absorption of Seat Region	IS 17043 (PART 1): 2024 Clause 4.5.8 (Ref. Clause 5.14 of IS 15298 (Part 1))
294.		Thickness & Material of Upper	IS 17043 (PART 1): 2024 Clause 4.6.1
295.		Tolerance on agreed thickness	IS 17043 (PART 1): 2024 Clause 4.6.1 (Ref. LP 1 of IS 5914)
296.		Tensile strength, Mpa	IS 17043 (PART 1): 2024 Clause 4.6.1 (Ref. Clause 5.1 LP 6 of IS 5914)
297.		Elongation at break,	IS 17043 (PART 1): 2024 Clause 4.6.1 (Ref. Clause 5.3 LP 6 of IS 5914)
298.		Stitch tear strength,	IS 17043 (PART 1): 2024 Clause 4.6.1 (Ref. LP 8 of IS 5914)
299.		Distension and strength of grain	IS 17043 (PART 1): 2024 Clause 4.6.1 (Ref. LP 14 of IS 5914)
300.		Flexural endurance	IS 17043 (PART 1): 2024 Clause 4.6.1 (Ref. LP 19 of IS 5914)
301.		Heat Resistance	IS 17043 (PART 1): 2024 Clause 4.6.1 (Ref. Appendix A of IS 5677)
302.		Colour fastness to rubbing crocking test	IS 17043 (PART 1): 2024 Clause 4.6.1 (Ref. LF 10 of IS 6191)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
303.	Shoes — Specification Part 1 Shoes for Services	Tongue tear resistance	IS 17043 (PART 1): 2024 Clause 4.6.1 (Ref. LP 9 of IS 5914)
304.		Distention at grain crack	IS 17043 (PART 1): 2024 Clause 4.6.1 (Ref. Annex- A of IS 576)
305.		Tear Strength	IS 17043 (PART 1): 2024 Clause 4.6.2 (Ref. Clause 6.3 of IS 15298 (Part 1))
306.		Water Vapour Permeability	IS 17043 (PART 1): 2024 Clause 4.6.3 (Ref. Clause 6.6 of IS 15298(Part 1))
307.		Water Vapour Coefficient	IS 17043 (PART 1): 2024 Clause 4.6.3 (Ref. Clause 6.8 of IS 15298(Part 1))
308.		Water Penetration	IS 17043 (PART 1): 2024 Clause 4.6.4 (Ref. Clause 6.13 of IS 15298(Part 1))
309.		Water Absorption	IS 17043 (PART 1): 2024 Clause 4.6.4 (Ref. Clause 6.13 of IS 15298 (Part 1))
310.		Material	IS 17043 (PART 1): 2024 Clause 4.7.1 (Ref. Type 1 of IS 3840)
311.		Tear Strength	IS 17043 (PART 1): 2024 Clause 4.7.2 (Ref. Clause 6.3 of IS 15298 (Part 1))
312.		Abrasion Resistance	IS 17043 (PART 1): 2024 Clause 4.7.3 (Ref. Clause 6.12 of IS 15298 (Part 1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
313.	Shoes — Specification Part 1 Shoes for Services	Water Vapour Permeability	IS 17043 (PART 1): 2024 Clause 4.7.4 (Ref. Clause 6.6 of IS 15298(Part 1))
314.		Water Vapour Coefficient	IS 17043 (PART 1): 2024 Clause 4.7.4 (Ref. Clause 6.8 of IS 15298(Part 1))
315.		Material & Thickness	IS 17043 (PART 1): 2024 Clause 4.8.1
316.		Abrasion Resistance	IS 17043 (PART 1): 2024 Clause 4.8.2 (Ref. Clause 7.3 of IS 15298 (Part 1))
317.		Water Absorption test	IS 17043 (PART 1): 2024 Clause 4.8.3 (Ref. Clause 7.2 of IS 15298 (Part 1))
318.		Water Desorption test	IS 17043 (PART 1): 2024 Clause 4.8.3 (Ref. Clause 7.2 of IS 15298 (Part 1))
319.		Insock Thickness	IS 17043 (PART 1): 2024 Clause 4.9
320.		Material	IS 17043 (PART 1): 2024 Clause 4.9.1
321.		Water Absorption test	IS 17043 (PART 1): 2024 Clause 4.9.2 (Ref. Clause 7.2 of IS 15298 (Part 1))
322.		Water Desorption test	IS 17043 (PART 1): 2024 Clause 4.9.2 (Ref. Clause 7.2 of IS 15298 (Part 1))
323.		Abrasion Resistance	IS 17043 (PART 1): 2024 Clause 4.9.3 (Ref. Clause 6.12 of IS 15298 (Part 1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
324.	Shoes — Specification Part 1 Shoes for Services	Thickness	IS 17043 (PART 1): 2024 Clause 4.10
325.		Material & Thickness	IS 17043 (PART 1): 2024 Clause 4.11.1
326.		Tear Strength	IS 17043 (PART 1): 2024 Clause 4.11.2 (Ref. Clause 6.3 of IS 15298 (Part 1))
327.		Closing Thread	IS 17043 (PART 1): 2024 Clause 4.12 (Ref. IS 4910 (Part 3))
328.		Material	IS 17043 (PART 1): 2024 Clause 4.13.1
329.		Thickness	IS 17043 (PART 1): 2024 Clause 4.13.2 (Ref. Clause 8.1 of IS 15298 (Part 1))
330.		Moulded Density	IS 17043 (PART 1): 2024 Clause 4.13.3 (Ref. Method A of IS 3400 (Part 9))
331.		Hardness of mid sole	IS 17043 (PART 1): 2024 Clause 4.13.4 (Ref. IS 13360 (Part 5/Sec 11))
332.		Hardness of out sole	IS 17043 (PART 1): 2024 Clause 4.13.4 (Ref. IS 3400 (Part 2))
333.		Ageing Test	IS 17043 (PART 1): 2024 Clause 4.13.5 (Ref. IS 3400 (Part 2), IS 3400 (Part 4))
334.		Tear Strength	IS 17043 (PART 1): 2024 Clause 4.13.6 (Ref. Clause. 8.2 of IS 15298 (Part 1))
335.	Shoes — Specification Part 1 Shoes for Services	Abrasion Resistance	IS 17043 (PART 1): 2024 Clause 4.13.7 (Ref. Clause. 8.3 of IS 15298 (Part 1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
336.		Flexing Resistance (Bennewart flex)	IS 17043 (PART 1): 2024 Clause 4.13.8 (Ref. Clause. 8.4 of IS 15298 (Part 1))
337.		Materials	IS 17043 (PART 1): 2024 Clause 414 ((Ref. Clause. 4 of IS 5041.))
338.		Pull out the eyelets	IS 17043 (PART 1): 2024 Clause 4.14 & Annex B
339.		Colour peeling test	IS 17043 (PART 1): 2024 Clause 4.14 & Annex C
340.		Material of lace	IS 17043 (PART 1): 2024 Clause 4.15.1
341.		Length of lace	IS 17043 (PART 1): 2024 Clause 4.15.1
342.		Breaking Load	IS 17043 (PART 1): 2024 Clause 4.15.2 (Ref. IS 1969 (Part 1) or IS 1969 (Part 2))
343.		Tag Retention	IS 17043 (PART 1): 2024 Clause 4.15.2 (Ref. Annex H of IS 15844.)
344.		CATEGORY AND TYPE	IS 17043 (PART 2): 2024 Clause 4 (IS 1638)
345.	Shoes — Specification Part 2 Shoes for General purpose	Shape and design	IS 17043 (PART 2): 2024 Clause 5.1
346.		Construction	IS 17043 (PART 2): 2024 Clause 5.2
347.		Material	IS 17043 (PART 2): 2024 Clause 5.3
348.	Shoes — Specification Part 2 Shoes for General purpose	Bond strength - Upper to outsole	IS 17043 (PART 2): 2024 Clause 5.4 & Table 1 S. No. (i) (Ref. Annex C of IS



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			15844 (Part 1))
349.		Inter layer bond strength	IS 17043 (PART 2): 2024 Clause 5.4 & Table 1 S. No. (ii) (Ref. Annex C of IS 15844 (Part 1))
350.		Whole shoe flexing flexes	IS 17043 (PART 2): 2024 Clause 5.4 & Table 1 S. No. (iii) (Ref. IS 8085 (Part 16) Method A)
351.		Water proofness on complete shoe	IS 17043 (PART 2) Clause 5.4 & Table 1 S. No. (iv) & Annex B
352.		Slip resistance C.O.F.	IS 17043 (PART 2): 2024 Clause 5.4 & Table 1 S. No. (v) (Ref. Annex E of IS 15844 (Part 1))
353.		Attachment strength of strap and buckle/D-ring N	IS 17043 (PART 2): 2024 Clause 5.4 & Table 1 S. No. (vi) (Ref. Annex D of IS 6721)
354.		Attachment strength of strap and velcro	IS 17043 (PART 2): 2024 Clause 5.4 & Table 1 S. No. (vii) (Ref. Annex D of IS 6721)
355.		Strength of eyelet attachment	IS 17043 (PART 2): 2024 Clause 5.4 & Table 1 S. No. (viii) and Annex C
356.		Heel pull off strength	IS 17043 (PART 2): 2024 Clause 5.4 & Table 1 S. No. (ix) (Ref. IS 8085 (Part 10))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
357.	Shoes — Specification Part 2 Shoes for General purpose	Top piece attachment strength	IS 17043 (PART 2): 2024 Clause 5.4 & Table 1 S. No. (x) (Ref. ISO 19958)
358.		Seam strength	IS 17043 (PART 2): 2024 Clause 5.4 & Table 1 S. No. (xi) (Ref. IS 8085 (Part 13) Method B)
359.		Whole shoe topline strength	IS 17043 (PART 2): 2024 Clause 5.4 & Table 1 S. No. (xii) & Annex D
360.		Abrasion resistance (volume loss),	IS 17043 (PART 2): 2024 Clause 5.4 & Table 1 S. No. (xiii) (Ref. IS 3400 (Part 3) Method B)
361.		Hydrolysis resistance cut growth	IS 17043 (PART 2): 2024 Clause 5.4 & Table 1 S. No. (xvi) (Ref. IS 15298 (Part 1))
362.		Tear strength	IS 17043 (PART 2): 2024 Clause 6.1.1 & Table 2 S. No. (i) (Ref. IS 5914 (Part 5/Sec 2)/ ISO 3377-2)
363.		Flexing resistance,	IS 17043 (PART 2): 2024 Clause 6.1.1 & Table 2 S. No. (ii) (Ref. IS 5914 (Part 6/Sec1))
364.		Colour fastness to rubbing	IS 17043 (PART 2): 2024 Clause 6.1.1 & Table 2 S. No. (iii) (Ref. ISO 11640: 2012)
365.		Colour fastness to water	IS 17043 (PART 2): 2024 Clause 6.1.1 & Table 2 S. No. (iv) (Ref. ISO 11642)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
366.	Shoes — Specification Part 2 Shoes for General purpose	Water vapour permeability	IS 17043 (PART 2): 2024 Clause 6.1.1 & Table 2 S. No. (v) (Ref. IS 15298 (Part 1))
367.		Water vapour coefficient	IS 17043 (PART 2): 2024 Clause 6.1.1 & Table 2 S. No. (v) (Ref. IS 15298 (Part 1))
368.		Stitch tear strength	IS 17043 (PART 2): 2024 Clause 6.1.1 & Table 2 S. No. (vi) (Ref. IS 5914 - LP 8))
369.		Abrasion resistance	IS 17043 (PART 2): 2024 Clause 6.1.1 & Table 2 S. No. (vii) (Ref. IS 15298 (Part 1))
370.		Water Resistance (Water absorption)	IS 17043 (PART 2): 2024 Clause 6.1.2 & Table 3 S. No. (ii) (Ref. IS 15298 (Part 1))
371.		Water Resistance (Water transmission)	IS 17043 (PART 2): 2024 Clause 6.1.2 & Table 3 S. No. (ii) (Ref. IS 15298 (Part 1))
372.		Flexing resistance, flexes at (-) 5 °C	IS 17043 (PART 2): 2024 Clause 6.1.2 & Table 3 S. No. (iii) (Ref. IS 5914 (Part 6/Sec1))
373.		Breaking strength	IS 17043 (PART 2): 2024 Clause 6.1.3 & Table 4 S. No. (i) (Ref. ISO 17706)
374.		Elongation at break	IS 17043 (PART 2): 2024 Clause 6.1.3 & Table 4 S. No. (i) (Ref. ISO 17706)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
375.	Shoes — Specification Part 2 Shoes for General purpose	Tear Strength	IS 17043 (PART 2): 2024 Clause 6.1.3 & Table 4 S. No. (ii) (Ref. IS 7016 (Part 3/Sec 1) Method B)
376.		Strength at needle perforation	IS 17043 (PART 2): 2024 Clause 6.1.3 & Table 4 S. No. (iii) (Ref. IS 8085 (Part13) Method A)
377.		Flexing resistance	IS 17043 (PART 2): 2024 Clause 6.1.3 & Table 4 S. No. (iv) (Ref. IS 8085 (Part 20))
378.		Water vapour permeability	IS 17043 (PART 2): 2024 Clause 6.1.3 & Table 4 S. No. (v) (Ref. IS 15298 (Part 1))
379.		Water vapour coefficient	IS 17043 (PART 2): 2024 Clause 6.1.3 & Table 4 S. No. (v) (Ref. IS 15298 (Part 1))
380.		Hydrolysis resistance	IS 17043 (PART 2): 2024 Clause 6.1.3 & Table 4 S. No. (vi) (Ref. IS 5914 (Part 6/ Sec 1)))
381.		Abrasion resistance	IS 17043 (PART 2): 2024 Clause 6.1.3 & Table 4 S. No. (vii) (Ref. IS 15298 (Part 1))
382.		Flexing resistance, flexes at (-) 5 °C	IS 17043 (PART 2): 2024 Clause 6.1.3 & Table 5 S. No. (ii) (Ref. IS 8085 (Part 20))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
383.		Tear strength,	IS 17043 (PART 2): 2024 Clause 6.2 & Table 6 S. No. (i) (Ref. IS 7016 (Part 3/Sec 1) Method B)
384.		Abrasion resistance	IS 17043 (PART 2): 2024 Clause 6.2 & Table 6 S. No. (ii) (Ref. IS 15298 (Part 1))
385.		Colour fastness rubbing (crocking)	IS 17043 (PART 2): 2024 Clause 6.2 & Table 6 S. No. (iii) (Ref. IS/ISO 105 X12)
386.		Colour fastness to perspiration	IS 17043 (PART 2): 2024 Clause 6.2 & Table 6 S. No. (iv) (Ref. IS IS 6191 (Part 6))
387.	Shoes — Specification Part 2 Shoes for General purpose	Water vapour permeability,	IS 17043 (PART 2): 2024 Clause 6.2 & Table 6 S. No. (v) (Ref. IS 15298 (Part 1))
388.		Water vapour coefficient	IS 17043 (PART 2): 2024 Clause 6.2 & Table 6 S. No. (v) (Ref. IS 15298 (Part 1))
389.		Flexing index,	IS 17043 (PART 2): 2024 Clause 6.3 & Table 7 S. No. (i) (Ref. IS 15844 (Part 1) Annex F)
390.		Abrasion resistance	IS 17043 (PART 2): 2024 Clause 6.3 & Table 7 S. No. (ii) (Ref. IS 15298 (Part 1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
391.	Shoes — Specification Part 2 Shoes for General purpose	Water absorption	IS 17043 (PART 2): 2024 Clause 6.3 & Table 7 S. No. (iii) (Ref. IS 15298 (Part 1))
392.		Water desorption	IS 17043 (PART 2): 2024 Clause 6.3 & Table 7 S. No. (iii) (Ref. IS 15298 (Part 1))
393.		Thickness, mm, Min	IS 17043 (PART 2): 2024 Clause 6.4 & Table 8 S. No. (i) (Ref. ISO 2589)
394.		Abrasion resistance	IS 17043 (PART 2): 2024 Clause 6.4 & Table 8 S. No. (ii) (Ref. IS 15298 (Part 1))
395.		Water absorption	IS 17043 (PART 2): 2024 Clause 6.4 & Table 8 S. No. (iii) (Ref. IS 15298 (Part 1))
396.		Water desorption	IS 17043 (PART 2): 2024 Clause 6.4 & Table 8 S. No. (iii) (Ref. IS 15298 (Part 1))
397.		Flexing resistance (Belt method)	IS 17043 (PART 2): 2024 Clause 6.5.1 & Table 9 S. No. (i) (Ref. IS 8085 (Part 4))
398.		Flexing resistance (Bennewart method)	IS 17043 (PART 2): 2024 Clause 6.5.1 & Table 9 S. No. (i) (Ref. Annex D of IS 15844 (Part 1))
399.		Hydrolysis resistance,	IS 17043 (PART 2): 2024 Clause 6.5.1 & Table 9 S. No. (ii) (Ref. IS 15298 (Part 1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			1))
400.		Compression set	IS 17043 (PART 2): 2024 Clause 6.5.1 & Table 9 S. No. (iii) (Ref. Annex G of IS 15844 (Part 1))
401.		Grain crack index	IS 17043 (PART 2): 2024 Clause 6.5.2.1 & Table 10 S. No. (i) (Ref. ISO 3378)
402.		Density	IS 17043 (PART 2): 2024 Clause 6.5.2.1 & Table 10 S. No. (ii) (Ref. IS 5914 (Part 4))
403.		Abrasion resistance	IS 17043 (PART 2): 2024 Clause 6.5.2.1 & Table 10 S. No. (iii) (Ref. IS 6721 - Annex B)
404.		Water resistance, (Water penetration)	IS 17043 (PART 2): 2024 Clause 6.5.2.2 & Table 11 S. No. (i) (Ref. ISO 5404)
405.	Shoes — Specification Part 2 Shoes for General purpose	Water resistance, (Water absorption)	IS 17043 (PART 2): 2024 Clause 6.5.2.2 & Table 11 S. No. (i) (Ref. ISO 5404)
406.		Hardness	IS 17043 (PART 2): 2024 Clause 6.5.2.3 & Table 12 S. No. (i) (Ref. IS 5676)
407.		Density	IS 17043 (PART 2): 2024 Clause 6.5.2.3 & Table 12 S. No. (ii) (Ref. IS 10702:2023 - Annex C)
408.		Abrasion resistance	IS 17043 (PART 2): 2024 Clause 6.5.2.3 & Table 12 S. No. (iii) (Ref. IS 3400)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			(Part 3))
409.		Bond Strength between Rubber top-lift and adjacent material	IS 17043 (PART 2): 2024 Clause 6.5.2.3 & Table 12 S. No. (iv) (Ref. Annex C of IS 15844 Part 1)
410.		Heat shrinkage,	IS 17043 (PART 2): 2024 Clause 6.6 & Table 13 S. No. (i) (Ref. Annex J of IS 15844 Part 1)
411.	Shoes — Specification Part 2 Shoes for General purpose	Split tear strength	IS 17043 (PART 2) Clause 6.6 & Table 13 S. No. (ii) (Ref. Annex H of IS 15844 Part 1)
412.		Compression set	IS 17043 (PART 2) Clause 6.6 & Table 13 S. No. (iii) (Ref. Annex G of IS 15844 Part 1)
413.		Hardness	IS 17043 (PART 2) Clause 6.7 & Table 14 S. No. (i) (Ref. IS 7554 Annex A-3.2)
414.		Resilience	IS 17043 (PART 2): 2024 Clause 6.7 & Table 14 S. No. (ii) Ref. IS 7554 Annex A-3.4)
415.		Moisture resistance	IS 17043 (PART 2) Clause 6.7 & Table 14 S. No. (iii) (Ref. IS 7554 Annex A-3.5)
416.		Area shape retention	IS 17043 (PART 2): 2024 Clause 6.7 & Table 14 S. No. (iv) (Ref. IS 7554 Annex A-3.1)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
417.	Shoes — Specification Part 2 Shoes for General purpose	Adhesion strength	IS 17043 (PART 2): 2024 Clause6.7 & Table 14 S. No. (v)(Ref. IS 7554 Annex A-3.3)
418.		Peel strength	IS 17043 (PART 2): 2024 Clause6.8 & Table 15 S. No. (i) Ref. IS 8085 (Part 18))
419.		Shear strength	IS 17043 (PART 2): 2024 Clause6.8 & Table 15 S. No. (ii) (Ref. IS 8085 (Part 19))
420.		Limit of useful extension	IS 17043 (PART 2): 2024 Clause6.9 & Table 16 S. No. (i) (Ref. IS 8085 (Part 12))
421.		Needle strength	IS 17043 (PART 2): 2024 Clause6.9 & Table 16 S. No. (ii) (Ref. Method A of IS 8085 (Part 13))
422.		Breaking strength of lace	IS 17043 (PART 2): 2024 Clause6.10 & Table 17 S. No. (i) (Ref. Annex K of IS 15844 (Part 1))
423.		Lace tag strength	IS 17043 (PART 2): 2024 Clause6.10 & Table 17 S. No. (ii) (Ref. Annex L of IS 15844 (Part 1))
424.		Lace to lace abrasion	IS 17043 (PART 2): 2024 Clause6.10 & Table 17 S. No. (iii) (Ref. IS 8085 (Part 17))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
425.		Colour fastness to water (for lace) (Contact method)	IS 17043 (PART 2): 2024 Clause 6.10 & Table 17 S. No. (iii) (Ref. IS 6191 (Part 2))
426.		Corrosion resistance (Metal parts)	IS 17043 (PART 2): 2024 Clause 6.10 & Table 17 S. No. (iii) (Ref. IS 17098)
427.		Fatigue resistance,	IS 17043 (PART 2): 2024 Clause 6.11 & Table 18 S. No. (i) (Ref. ISO 10751)
428.		Security of puller attachment strength	IS 17043 (PART 2): 2024 Clause 6.11 & Table 18 S. No. (ii) (Ref. ISO 10734)
429.	Shoes — Specification Part 2	Lateral load	IS 17043 (PART 2): 2024 Clause 6.11 & Table 18 S. No. (iii) (Ref. ISO 10764)
430.	Shoes for General purpose	End attachment strength,	IS 17043 (PART 2): 2024 Clause 6.11 & Table 18 S. No. (iv) (Ref. ISO 10750)
431.	Shoes — Specification for Textile Boots with Polymeric Sole	Design (toe spring)	IS 17861:2024 with A1 Clause 5.1
432.		Size and Fitting	IS 17861:2024 with A1 Clause 5.2 (Ref. IS 1638)
433.		Height of Upper	IS 17861:2024 with A1 Clause 5.3 (Ref. Clause. 6.2 of IS 15298 (Part 1),)
434.		Weight	IS 17861:2024 with A1 Clause 5.4
435.		Construction/ Process	IS 17861:2024 with A1 Clause 5.5.1.1
436.		Stitching	IS 17861:2024 with A1 Clause 5.5.1.2



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
437.		Back seam	IS 17861:2024 with A1 Clause 5.5.1.3
438.		Tab	IS 17861:2024 with A1 Clause 5.5.1.4
439.		Upper – Outsole Bond Strength	IS 17861:2024 with A1 Clause 5.5.2 (Ref. Clause. 5.2 of IS 15298 (Part 1),)
440.		Consolidation Test	IS 17861:2024 with A1 Clause 5.5.3 (Ref. IS 3400 (Part 5))
441.		Ergonomic Features	IS 17861:2024 with A1 Clause 5.5.4 (Ref. Clause. 4.3 & 5.1 of IS 15298 (Part 1),)
442.	Shoes — Specification for Textile Boots with Polymeric Sole	Slip Resistance	IS 17861:2024 with A1 Clause 5.5.5 (Ref. Clause. 5.11 of IS 15298 (Part 1),)
443.		Energy Absorption of Seat Region	IS 17861:2024 with A1 Clause 5.5.6 (Ref. Clause. 5.14 of IS 15298 (Part 1),)
444.		Water Resistance	IS 17861:2024 with A1 Clause 5.5.7 (Ref. Clause.5.15.1 & 5.15.2 of IS 15298 (Part 1), & 6.2.5 of IS 15298 (Part 2).)
445.		Penetration Resistance	IS 17861:2024 with A1 Clause 5.6.1 (Ref. IS 17275 (Part 1))
446.		Penetration Resistance	IS 17861:2024 with A1 Clause 5.6.1 (Ref. IS 17275 (Part 2))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
447.		Penetration Resistance	IS 17861:2024 with A1 Clause 5.6.1 (Ref.Clause 5.8.2 of IS 15298 (Part 1))
448.		Penetration Resistance	IS 17861:2024 with A1 Clause 5.6.1 (Ref.Clause 5.8.3 of IS 15298 (Part 1))
449.		Antistatic footwear	IS 17861:2024 with A1 Clause 5.6.2 (Ref. Clause 5.10 of IS 15298 (Part 1))
450.		Heat Insulation of Sole Complex	IS 17861:2024 with A1 Clause 5.6.3 (Ref.Clause 5.12 of IS 15298 (Part 1))
451.		Cold Insulation of Sole Complex	IS 17861:2024 with A1 Clause 5.6.4 (Ref.Clause 5.13 of IS 15298 (Part 1))
452.	Shoes — Specification for Textile Boots With Polymeric Sole	Material of upper	IS 17861:2024 with A1 Clause 5.7.1
453.		Tear Strength	IS 17861:2024 with A1 Clause 5.7.2 (Ref.Clause 6.3 of IS 15298 (Part 1))
454.		Water Vapour Permeability	IS 17861:2024 with A1 Clause 5.7.3 (Ref.Clause 6.6 of IS 15298 (Part 1))
455.		Water Vapour Coefficient	IS 17861:2024 with A1 Clause 5.7.3 (Ref.Clause 6.8 of IS 15298 (Part 1))
456.		Colour Fastness to washing	IS 17861:2024 with A1 Clause 5.7.4 (Ref. IS/ISO 105-C10,)
457.		Water Repellency and Water Resistance	IS 17861:2024 with A1 Clause 5.7.5 (Ref. IS 390)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
458.	Shoes — Specification for Textile Boots with Polymeric Sole	Water Repellency and Water Resistance	IS 17861:2024 with A1 Clause 5.7.5 (Ref. 7016 (Part 7)/ISO 1420)
459.		Material of lining	IS 17861:2024 with A1 Clause 5.8.1
460.		Tear Strength	IS 17861:2024 with A1 Clause 5.8.2 (Ref. Clause 6.3 of IS 15298 (Part 1))
461.		Abrasion Resistance	IS 17861:2024 with A1 Clause 5.8.3 (Ref. Clause 6.12 of IS 15298 (Part 1))
462.		Water vapour permeability,	IS 17861:2024 with A1 Clause 5.8.4 (Ref. Clause 6.6 of IS 15298 (Part 1))
463.		Water vapour coefficient	IS 17861:2024 with A1 Clause 5.8.4 (Ref. Clause 6.8 of IS 15298 (Part 1))
464.		Outer Toe Cap (thickness)	IS 17861:2024 with A1 Clause 5.9
465.		Tear Strength	IS 17861:2024 with A1 Clause 5.9.1 (Ref. Clause 6.3 of IS 15298 (Part 1))
466.		Abrasion Resistance Test	IS 17861:2024 with A1 Clause 5.9.2 (Ref. IS 6994 (Part 6))
467.		Width of binding tape	IS 17861:2024 with A1 Clause 5.10.1 (Ref. IS 1954)
468.		Breaking load of binding tape	IS 17861:2024 with A1 Clause 5.10.1 (Ref. IS 1969 (Part 1) or IS 1969 (Part 2))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
469.		Colour Fastness to washing	IS 17861:2024 with A1 Clause 5.10.2 (Ref. IS/ISO 105-C10)
470.		Breaking load of closing thread	IS 17861:2024 with A1 Clause 5.11.1 (Ref. IS 4930 (Part 3))
471.		Colour Fastness to washing	IS 17861:2024 with A1 Clause 5.11.2 (Ref. IS/ISO 105-C10)
472.		Colour fastness to perspiration	IS 17861:2024 with A1 Clause 5.11.2 (Ref. IS/ISO 105-E04)
473.		Material of insole	IS 17861:2024 with A1 Clause 5.12 .1 (Ref. Clause 7.1 of IS 15298 (Part 1))
474.	Shoes — Specification for Textile Boots with Polymeric Sole	Thickness of insole	IS 17861:2024 with A1 Clause 5.12.1 (Ref. Clause 7.1 of IS 15298 (Part 1))
475.		Abrasion Resistance	IS 17861:2024 with A1 Clause 5.12.2 (Ref. Clause 7.2 of IS 15298 (Part 1))
476.		Water Absorption	IS 17861:2024 with A1 Clause 5.12.3 (Ref. Clause 7.2 of IS 15298 (Part 1))
477.		Water desorption	IS 17861:2024 with A1 Clause 5.12.3 (Ref. Clause 7.2 of IS 15298 (Part 1))
478.		Materials of insocks	IS 17861:2024 with A1 Clause 5.13.1
479.		Thickness of insocks	IS 17861:2024 with A1 Clause 5.13.1 (Ref. Clause 6.12 of IS 15298 (Part 1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
480.		Abrasion Resistance	IS 17861:2024 with A1 Clause 5.13.2 (Ref. Clause 7.2 of IS 15298 (Part 1))
481.		Bond Strength of Textile Layer and Insock	IS 17861:2024 with A1 Clause 5.13.3 (Ref. ISO/TR 20882.)
482.		Tongue	IS 17861:2024 with A1 Clause 5.14
483.		Thickness of toe puff	IS 17861:2024 with A1 Clause 5.15
484.	Shoes — Specification for Textile Boots With Polymeric Sole	Thickness of counter stiffner	IS 17861:2024 with A1 Clause 5.15
485.		Material of toe puff and stiffner	IS 17861:2024 with A1 Clause 5.15
486.		Material of sole	IS 17861:2024 with A1 Clause 5.16.1
487.		Thickness	IS 17861:2024 with A1 Clause 5.16.2 (Ref. Clause 8.1 of IS 15298 (Part 1))
488.		Sole Density (PU)	IS 17861:2024 with A1 Clause 5.16.3 (Ref. Annex A of IS 6664)
489.		Sole Density (Rubber)	IS 17861:2024 with A1 Clause 5.16.3 (Ref. method A of IS 3400 (Part 9))
490.		Hardness of PU sole	IS 17861:2024 with A1 Clause 5.16.4 (Ref. IS 13360 (Part 5/Sec 11).)
491.		Hardness of Rubber sole	IS 17861:2024 with A1 Clause 5.16.4 (Ref. IS 3400 (Part 2).)
492.		Ageing	IS 17861:2024 with A1 Clause 5.16.5



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			(Ref. IS 3400 (Part 4))
493.		Tear Strength	IS 17861:2024 with A1 Clause 5.16.6 (Ref. Clause. 8.2 of IS 15298 (Part 1))
494.		Abrasion Resistance	IS 17861:2024 with A1 Clause 5.16.7 (Ref. Clause. 8.3 of IS 15298 (Part 1))
495.		Flexing Resistance	IS 17861:2024 with A1 Clause 5.16.8 (Ref. Clause. 8.4 of IS 15298 (Part 1))
496.		Hydrolysis	IS 17861:2024 with A1 Clause 5.16.9 (Ref. Clause. 8.5 of IS 15298 (Part 1))
497.		Interlayer Bond Strength	IS 17861:2024 with A1 Clause 5.16.10 (Ref. Clause. 5.2 of IS 15298 (Part 1))
498.		Eyelets material	IS 17861:2024 with A1 Clause 5.17
499.		Eyelets pull out test	IS 17861:2024 with A1 Clause 5.17 & Annex B.
500.	Shoes — Specification for Textile Boots With Polymeric Sole	Material of lace	IS 17861:2024 with A1 Clause 5.18.1
501.		Length of lace	IS 17861:2024 with A1 Clause 5.18.1
502.		Colour of lace	IS 17861:2024 with A1 Clause 5.18.1
503.		Colour Fastness to washing	IS 17861:2024 with A1 Clause 5.18.2 (Ref. IS/ISO 105-C10)
504.		Breaking load and Tag	IS 17861:2024 with A1 Clause 5.18.3



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
		Retention	& Annex C
505.		Tag Retention of lace	IS 17861:2024 with A1 Clause 5.18.3 & Annex C
506.		Lace to lace abrasion Resistance	IS 17861:2024 with A1 Clause 5.18.4.1 & (Ref. Method 1 of ISO 22774.)
507.		Lace to eyelet abrasion Resistance	IS 17861:2024 with A1 Clause 5.18.4.2 & (Ref. Method 3 of ISO 22774.)
508.	Sandal and slippers-Specification	Shape and design	IS 6721:2023 Amend. No 1 Clause 4
509.		Category and Type	IS 6721:2023 Amend. No 1 Clause 5 (Ref. IS 1638)
510.		Construction	IS 6721:2023 Amend. No 1 Clause 6
511.		Material	IS 6721:2023 Amend. No 1 Clause 7
512.		Bond strength	IS 6721:2023 Amend. No 1 Clause 8 Table 1 (i) (Ref. IS 15298-1 : 2015)
513.		Toe post attachment strength	IS 6721:2023 Amend. No 1 Clause 8 Table 1 (ii) Annex C
514.		Toe ring attachment strength	IS 6721:2023 Amend. No 1 Clause 8 Table 1 (iii) Annex C
515.		Strap to outsole strength	IS 6721:2023 Amend. No 1 Clause 8 Table 1 (iv) (Ref. IS 8085 (Part 11)/ ISO 24263)
516.		Attachment strength of back	IS 6721:2023 Amend. No 1 Clause 8



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
		strap and Buckle/D-ring	Table 1 (v) Annex D
517.		Limit of useful extension, of Elastic	IS 6721:2023 Amend. No 1 Clause 8 Table 1 (vi) (Ref. IS 8085 (Part 12)/ ISO 10765)
518.		Attachment strength of back strap and velcro	IS 6721:2023 Amend. No 1 Clause 8 Table 1 (vii) Annex D
519.		Hydrolysis resistance, of outsole	IS 6721:2023 Amend. No 1 Clause 8 Table 1 (viii) (Ref. IS-15298 (Part 1))
520.	Sandal and slippers- Specification	Heel pull off strength	IS 6721 Amend. No 1 Clause 8 Table 1 (ix) (Ref. IS 8085 (Part 10)/ISO 22650)
521.		Inter layer bond strength	IS 6721:2023 Amend. No 1 Clause 8 Table 1 (x) (Ref. IS 15298-1 : 2015)
522.		Slip resistance, coefficient of friction (Cof)	IS 6721:2023 Amend. No 1 Clause 8 Table 1 (xi) (Ref. Annex- E of IS 15844- Part 1)
523.		Abrasion resistance (volume loss), of outsole	IS 6721:2023 Amend. No 1 Clause 8 Table 1 (xii) (Ref. IS 3400 (Part 3) : 2021/ISO 4649)
524.		Flexing Resistance of outsole (Belt method at 90° dia. mendral)	IS 6721:2023 Amend. No 1 Clause 8 Table 1 (xiii) (Ref. IS 8085 (Part 4)/ISO 16177)
525.		Flexing Resistance of outsole (Bennewart flex method)	IS 6721:2023 Amend. No 1 Clause 8 Table 1 (xiii) (Ref. Annex D of IS 15844)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			(Part 1))
526.		Tear strength of upper (other than moulded upper material)	IS 6721:2023 Amend. No 1 Clause 8.1 Table 2 (i) (Ref. Method B of IS 7016 (Part 3/Sec 1)/ISO 4647-1) or (IS 8085 (Part 9)/ISO 17696)
527.		Tear strength of upper (for all moulded upper material)	IS 6721:2023 Amend. No 1 Clause 8.1 Table 2 (i) (Ref. IS 5914 (Part 5/Sec 2)/ISO 3377-2)
528.		Flexing endurance of upper	IS 6721 Amend. No 1 Clause 8.1 Table 2 (ii) (Ref. IS 8085 (Part 20)/ISO 17694 :2016)
529.		Tear strength (of insole covering)	IS 6721 Amend. No 1 Clause 8.2 Table 3 (i) (Ref. Method B of IS 7016 (Part 3/Sec 1)/ISO 4647-1) or (IS 8085 (Part-9)/ISO 17696)
530.	Sandal and slippers-Specification	Abrasion resistance, (of insole covering)	IS 6721 Amend. No 1 Clause 8.2 Table 3 (ii) (Ref. IS 8085(Part 6)/ISO 17704)
531.		Tear strength of lining (Leather)	IS 6721 Amend. No 1 Clause 8.3 Table 4 (i) (Ref. IS 5914 (Part 5/Sec 2)/ ISO 3377-2)
532.		Tear strength of lining (non-Leather)	IS 6721 Amend. No 1 Clause 8.3 Table 4 (i) (Ref. Method B of IS 7016 (Part 3/Sec 1)/ISO 4674-1)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
533.		Abrasion resistance, of lining	IS 6721:2023 Amend. No 1 Clause 8.3 Table 4 (ii) (Ref. IS 8085(Part 6) :2021/ISO 17704 :2004)
534.		Grain crack index, of outsole (Leather)	IS 6721:2023 Amend. No 1 Clause 8.4 Table 5 (i) (Ref. IS 5914 (Part 7)/ISO 3378)
535.		Density, of outsole (Leather)	IS 6721:2023 Amend. No 1 Clause 8.4 Table 5 (ii) (Ref. IS 5914 (Part 4)/ISO 2420)
536.	Sandal and slippers- Specification	Abrasion resistance, of outsole (Leather)	IS 6721:2023 Amend. No 1 Clause 8.4 Table 5 (iii) (Ref. Annex B)
537.		Density of outsole (Non-Leather)	IS 6721:2023 Amend. No 1 Clause 8.4 Table 6 (i) (Ref. IS 3400 (Part 9)/ISO 2781)
538.	Hawai Chappal — Specification	Category and Type	IS 10702:2023 Amend. No 1 Clause 4
539.		Bottom Material	IS 10702:2023 Amend. No 1 Clause 4.1.1
540.		Strap Material	IS 10702:2023 Amend. No 1 Clause 4.1.2
541.		Finish	IS 10702:2023 Amend. No 1 Clause 4.1.3
542.		Shape, design, colour and surface	IS 10702:2023 Amend. No 1 Clause 4.1.4



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
543.		Length	IS 10702:2023 Amend. No 1 Clause 4.2 & Annex A
544.		Thickness	IS 10702:2023 Amend. No 1 Clause 4.3
545.		Compression set at constant stress, of bottom material	IS 10702:2023 Amend. No 1 Clause 4.4 Table 1 (i) (Ref. Annex D)
546.		Split tear strength, of bottom material	IS 10702:2023 Amend. No 1 Clause 4.4 Table 1 (ii) (Ref. Annex E)
547.		Shrinkage, of bottom material	IS 10702:2023 Amend. No 1 Clause 4.4 Table 1 (iii) (Ref. Annex F)
548.		Abrasion resistance, of bottom material	IS 10702:2023 Amend. No 1 Clause 4.4 Table 1 (iv) (Ref. IS 3400 (Part 3))
549.	Hawai Chappal — Specification	Flexing resistance, of bottom material	IS 10702:2023 Amend. No 1 Clause 4.4 Table 1 (v) (Ref. IS 3400: Part 16)
550.		Hydrolysis resistance, of bottom material	IS 10702:2023 Amend. No 1 Clause 4.4 Table 1 (vi) (Ref. IS 15298: Part 1)
551.		Breaking strength, of (strap to strap)	IS 10702:2023 Amend. No 1 Clause 4.4 Table 2 (i) (Ref. Annex G)
552.		Breaking strength, of (toe portion to strap)	IS 10702:2023 Amend. No 1 Clause 4.4 Table 2 (i) (Ref. Annex G)
553.		Elongation at break, of strap material	IS 10702:2023 Amend. No 1 Clause 4.4 Table 2 (i) (Ref. Annex G)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
554.		Toe post attachment strength	IS 10702:2023 Amend. No 1 Clause 4.4 Table 3 (i) (Ref. Annex H)
555.		Attachment strength of rear strap	IS 10702:2023 Amend. No 1 Clause 4.4 Table 3 (ii)(Ref. Annex H)
556.		Inter layer bond strength	IS 10702:2023 Amend. No 1 Clause 4.4 Table 3 (iii) (Ref. IS 15298-1)
557.		Marking	IS 10702:2023 Amend. No 1 Clause 6.1.1
558.	High ankle tactical boots with PU-rubber sole- specification	Design	IS 17012:2018 Clause. 4.2 (Ref. Design-C of IS 15298 (Part- 4))
559.		Size	IS 17012:2018 Clause. 4.3.1 (Ref. IS 1638)
560.		Weight	IS 17012:2018 Clause. 4.3.2
561.		Height of Upper	IS 17012:2018 Clause. 4.4 (Ref. Cl. No. 6.2 of IS 15298 (Part-1))
562.		Construction	IS 17012:2018 Clause. 4.5.1
563.		Whole Footwear Ergonomic Features	IS 17012:2018 Clause. 4.5.2 (Ref. Cl. No. 5.1 of IS 15298 (Part-1))
564.		Whole Footwear Upper & Sole Bond Strength	IS 17012:2018 Clause. 4.5.3.1 (Ref. Cl. No. 5.2 of IS 15298 (Part-1))
565.		Whole Footwear Interlayer Bond Strength	IS 17012:2018 Clause. 4.5.3.2 (Ref. Cl. No. 5.2 of IS 15298 (Part-1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
566.	High ankle tactical boots with PU-rubber sole- specification	Whole Footwear Slip Resistance	IS 17012:2018 Clause. 4.5.4 (Ref. Cl. No. 5.11 of IS 15298 (Part-1))
567.		Whole Footwear Electrical Resistance	IS 17012:2018 Clause. 4.5.5 (Ref. Cl. No. 5.10 of IS 15298 (Part-1))
568.		Whole Footwear Heat Insulation of Sole Complex	IS 17012:2018 Clause. 4.5.6 (Ref. Cl. No. 5.12 of IS 15298 (Part-1))
569.		Whole Footwear Cold Insulation of Sole Complex	IS 17012:2018 Clause. 4.5.7 (Ref. Cl. No. 5.13 of IS 15298 (Part-1))
570.		Whole Footwear Energy Absorption of Seat Region	IS 17012:2018 Clause. 4.5.8 (Ref. Cl. No. 5.14 of IS 15298 (Part-1))
571.		Thickness (Vamp and Quarter Portion of Upper Material)	IS 17012:2018 Clause. 4.6.1.1
572.		Thickness (The toe, jug loop and outside counter portion of Upper	IS 17012:2018 Clause. 4.6.1.3
573.		Leather Upper Requirements	IS 17012:2018 Clause. 4.6.1.3 (Ref. of IS 5677)
574.		Tolerance on agreed thickness	IS 17012:2018 Clause 4.6.1.3 (Ref. LP 1 of IS 5914)
575.		Tensile strength, Mpa	IS 17012:2018 Clause 4.6.1.3 (Ref. Clause 5.1 LP 6 of IS 5914)
576.		Elongation at break,	IS 17012:2018 Clause 4.6.1.3 (Ref.



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			Clause 5.3 LP 6 of IS 5914)
577.		Stitch tear strength,	IS 17012:2018 Clause 4.6.1.3 (Ref. LP 8 of IS 5914)
578.		Distension and strength of grain	IS 17012:2018 Clause 4.6.1.3 (Ref. LP 14 of IS 5914)
579.		Flexural endurance	IS 17012:2018 Clause 4.6.1.3 (Ref. LP 19 of IS 5914)
580.		Heat Resistance	IS 17012:2018 Clause 4.6.1.3 (Ref. Appendix A of IS 5677)
581.		Colour fastness to rubbing crocking test	IS 17012:2018 Clause 4.6.1.3 (Ref. LF 10 of IS 6191)
582.		Tongue tear resistance	IS 17012:2018 Clause 4.6.1.3 (Ref. LP 9 of IS 5914)
583.		Distention at grain crack	IS 17012:2018 Clause 4.6.1.3 (Ref. Annex- A of IS 576)
584.		Tear Strength of Upper	IS 17012:2018 Clause. 4.6.2 (Ref. Cl. No. 6.3 of IS 15298 (Part-1))
585.	High ankle tactical boots with PU-rubber sole- specification	Water Vapour Permeability	IS 17012:2018 Clause 4.6.3 (Ref. Cl. No. 6.6 of IS 15298 (Part-1))
586.		Water Vapour Coefficient	IS 17012:2018 Clause 4.6.3 (Ref. Cl. No. 6.8 of IS 15298 (Part 1))
587.		Water Penetration	IS 17012:2018 Clause. 4.6.4 (Ref. Cl. No. 6.13 of IS 15298 (Part-1))
588.		Water Absorption	IS 17012:2018 Clause. 4.6.4 (Ref. Cl.



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			No. 6.13 of IS 15298 (Part-1))
589.		Vamp and Quarter lining material	IS 17012:2018 Clause. 4.7.1
590.		Counter and tongue lining material	IS 17012:2018 Clause. 4.7.2 (Ref. of IS 3840)
591.		Thickness	IS 17012:2018 Clause. 4.7.2 (Ref. LP- 1 of IS 5914, Table 1 of IS 3840)
592.		Tensile strength, Mpa	IS 17012:2018 Clause. 4.7.2 (Ref. LP- 6 of IS 5914, Table 1 of IS 3840)
593.		Tongue tear Strength	IS 17012:2018 Clause. 4.7.2 (Ref. LP- 6 of IS 5914, Table 1 of IS 3840)
594.		Stitch tear strength,	IS 17012:2018 Clause. 4.7.2 (Ref. LP- 8 of IS 5914, Table 1 of IS 3840)
595.		Colour fastness test	IS 17012:2018 Clause. 4.7.2 (Ref. LF- 9 of IS 6191, Table 1 of IS 3840)
596.		Colour fastness to perspiration	IS 17012:2018 Clause. 4.7.2 (Ref. Annex- A of IS 3840, Table 1 of IS 3840)
597.	High ankle tactical boots with PU-rubber sole- specification	Water vapour permeability	IS 17012:2018 Clause. 4.7.2 (Ref. LP- 21 of IS 5914, Table 1 of IS 3840)
598.		Abrasion resistance	IS 17012:2018 Clause. 4.7.2 (Ref. Annex- B of IS 3840, Table 1 of IS 3840)
599.		Lining Tear Strength	IS 17012:2018 Clause. 4.7.3 (Ref. Cl. No. 6.3 of IS 15298 (Part-1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
600.	High ankle tactical boots with PU-rubber sole- specification	Lining Abrasion Resistance	IS 17012:2018 Clause. 4.7.4 (Ref. Cl. No. 6.12 of IS 15298 (Part-1))
601.		Water Vapour Permeability of Lining	IS 17012:2018 Clause. 4.7.5.1 (Ref. Cl. No. 6.6 of IS 15298 (Part-1))
602.		Water Vapour Coefficient of Lining	IS 17012:2018 Clause. 4.7.5.2 (Ref. Cl. No. 6.8 of IS 15298 (Part-1))
603.		Toe Puff and Counter Stiffener (thickness)	IS 17012:2018 Clause. 4.8
604.		Insole material (thickness)	IS 17012:2018 Clause. 4.9.1
605.		Insole Abrasion Resistance	IS 17012:2018 Clause. 4.9.2 (Ref. Cl. No. 7.3 of IS 15298 (Part-1))
606.		Insole Water Absorption	IS 17012:2018 Clause. 4.9.3 (Ref. Cl. No. 7.2 of IS 15298 (Part-1))
607.		Insole Water Desorption	IS 17012:2018 Clause. 4.9.3 (Ref. Cl. No. 7.2 of IS 15298 (Part-1))
608.		In-socks Material (thickness)	IS 17012:2018 Clause. 4.10
609.		In-socks Material	IS 17012:2018 Clause. 4.10.1
610.		In-socks Abrasion Resistance	IS 17012:2018 Clause. 4.10.2 (Ref. Cl. No. 6.12 of IS 15298 (Part-1))
611.		In-socks Water Absorption	IS 17012:2018 Clause. 4.10.3 (Ref. Cl. No. 7.2 of IS 15298 (Part-1))
612.		In-socks Water Desorption	IS 17012:2018 Clause. 4.10.3 (Ref. Cl. No. 7.2 of IS 15298 (Part-1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
613.	High ankle tactical boots with PU-rubber sole- specification	Collar Material (thickness)	IS 17012:2018 Clause. 4.11.1
614.		Collar Material (density)	IS 17012:2018 Clause. 4.11.1
615.		Collar tear Strength	IS 17012:2018 Clause. 4.11.2 (Ref. Cl. No. 6.3 of IS 15298 (Part-1))
616.		Tongue Material (thickness)	IS 17012:2018 Clause. 4.12.1
617.		Tongue Material (gsm)	IS 17012:2018 Clause. 4.12.1
618.		Tongue tear Strength	IS 17012:2018 Clause. 4.12.2 (Ref. Cl. No. 6.3 of IS 15298 (Part-1))
619.		Closing Thread	IS 17012:2018 Clause. 4.13 (Ref. of IS 4910 (Part-3))
620.		Outsole Material	IS 17012:2018 Clause. 4.14.1
621.		Outsole Thickness	IS 17012:2018 Clause. 4.14.2 (Ref. Cl. No. 8.1 of IS 15298 (Part-1))
622.		Outsole Energy Absorption	IS 17012:2018 Clause. 4.14.2 (Ref. of Clause. 4.5.8)
623.		PU Midsole Density	IS 17012:2018 Clause. 4.14.3 (Ref. of Annex A of IS 6664)
624.		Rubber Outsole Density	IS 17012:2018 Clause. 4.14.3 (Ref. of Method A of IS 3400(Part-9))
625.		Sole Tear Strength	IS 17012:2018 Clause. 4.14.4 (Ref. Cl. No. 8.2 of IS 15298 (Part-1))



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
626.		Sole Abrasion resistance	IS 17012:2018 Clause. 4.14.5 (Ref. Cl. No. 8.3 of IS 15298 (Part-1))
627.		Sole Hardness (midsole)	IS 17012:2018 Clause. 4.14.6 (Ref. of IS 13360 (Part-5/Sec-11))
628.		Sole Hardness (outsole)	IS 17012:2018 Clause. 4.14.6 (Ref. of IS 3400 (Part- 2))
629.		Ageing Test of Sole	IS 17012:2018 Clause. 4.14.7 (Ref. of IS 3400 (Part-2) & IS 3400 (Part-4))
630.		Flexing Resistance of Sole	IS 17012:2018 Clause. 4.14.8 (Ref. Cl. No. 8.4 of IS 15298 (Part-1))
631.		Resistance to hot Contact	IS 17012:2018 Clause. 4.14.9 (Ref. Cl. No. 8.7 of IS 15298 (Part-1))
632.	High ankle tactical boots with PU-rubber sole- specification	D- Rings and Hooks	IS 17012:2018 Clause. 4.15
633.		Laces Material	IS 17012:2018 Clause. 4.16.1
634.		Breaking Load of Laces	IS 17012:2018 Clause. 4.16.2 (Ref. of IS 1969 (Part-1) OR IS 1969 (Part-2))
635.		Tag Retention of Laces	IS 17012:2018 Clause. 4.16.2 (Ref. of Annex H of IS 15844)
636.		Resistance to Fuel Oil	IS 17012:2018 Clause. 6.1.1 & Clause. 6.1.2, Table-3 (Ref. of IS 15298 (Part-1))
637.	Polyvinylchloride (PVC) Industrial Boots-Specification	Classification of Boots	IS 12254 :2021 With A1 & A2 Clause. 4 Table 1



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
	(Second Revision)		
638.		Design of Boots	IS 12254 :2021 With A1 & A2 Clause. 4.1 (Ref. IS 15298 (Part-2))
639.		Protection Level	IS 12254 :2021 With A1 & A2 Clause. 4.2
640.		Size of Boots	IS 12254 :2021 With A1 & A2 Clause. 5.2 (Ref. IS 1638)
641.		Height of Upper	IS 12254 :2021 With A1 & A2 Clause. 5.3 (Ref. IS 15298 (Part-1))
642.		Construction	IS 12254 :2021 With A1 & A2 Clause. 5.4.1
643.		Ergonomic Features	IS 12254 :2021 With A1 & A2 Clause. 5.4.2 (Ref. IS 15298 (Part-1))
644.		Upper Outsole Bond Strength	IS 12254 :2021 With A1 & A2 Clause. 5.4.3 (Ref. IS 15298 (Part-1))
645.	Polyvinylchloride (PVC) Industrial Boots-Specification (Second Revision)	Slip Resistance of Whole Footwear	IS 12254 :2021 With A1 & A2 Clause. 5.4.4 (Ref. IS 15298 (Part-1))
646.		Leak proofness	IS 12254 :2021 With A1 & A2 Clause. 5.4.5 (Ref. IS 15298 (Part-1))
647.		Toe-Caps General	IS 12254 :2021 With A1 & A2 Clause. 5.4.6.1
648.		Internal Length of Toe-Caps	IS 12254 :2021 With A1 & A2 Clause. 5.4.6.2 (Ref. IS 15298 (Part-1))
649.		Corrosion Resistance of Toe-Caps	IS 12254 :2021 With A1 & A2 Clause. 5.4.6.3 (Ref. IS 15298 (Part-1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
650.		Impact Resistance of Toe-Caps	IS 12254 :2021 With A1 & A2 Clause. 5.4.6.4 (Ref. IS 15298 (Part-1))
651.		Compression Resistance of Toe-Caps	IS 12254 :2021 With A1 & A2 Clause. 5.4.6.5 (Ref. IS 15298 (Part-1))
652.		Colour of Boots	IS 12254 :2021 With A1 & A2 Clause. 5.4.7
653.		Conductive Footwear	IS 12254 :2021 With A1 & A2 Clause. 5.4.8.1 (Ref. IS 15298 (Part-1))
654.		Antistatic footwear	IS 12254 :2021 With A1 & A2 Clause. 5.4.8.1 (Ref. IS 15298 (Part-1))
655.		Penetration Resistance Property of Metallic Inserts	IS 12254 :2021 With A1 & A2 Clause. 5.4.8.3.1 (Ref. IS 17275 (Part-1))
656.	Polyvinylchloride (PVC) Industrial Boots — Specification (Second Revision)	Penetration Resistance Property of Non-metallic Inserts	IS 12254 :2021 With A1 & A2 Clause. 5.4.8.3.1 (Ref. IS 17275 (Part-2))
657.		Determination of Penetration Force for Metallic Inserts	IS 12254 :2021 With A1 & A2 Clause. 5.4.8.3.2.1 (Ref. IS 15298 (Part-1))
658.		Determination of Penetration Force for Non-metallic Inserts	IS 12254 :2021 With A1 & A2 Clause. 5.4.8.3.2.2 (Ref. IS 15298 (Part-1))
659.		Cut Resistance Protective Area	IS 12254 :2021 With A1 & A2 Clause. 5.4.8.4.1
660.		Protective Material Property	IS 12254 :2021 With A1 & A2 Clause. 5.4.8.4.2 & Fig. 1



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
661.	Polyvinylchloride (PVC) Industrial Boots — Specification (Second Revision)	Cut Resistance Index	IS 12254 :2021 With A1 & A2 Clause. 5.4.8.4.3 (Ref. IS 15298 (Part-1) & EN 388)
662.		Resistance to Acid and Alkali	IS 12254 :2021 With A1 & A2 Clause. 5.4.8.5 & Annex B
663.		Resistance to Fuel Oil (Change in volume)	IS 12254 :2021 With A1 & A2 Clause. 5.4.8.6 (Ref. IS 15298 (Part-1))
664.		Resistance to Fuel Oil (Flexing)	IS 12254 :2021 With A1 & A2 Clause. 5.4.8.6 (Ref. IS 15298 (Part-1))
665.		Material and Thickness of Upper	IS 12254 :2021 With A1 & A2 Clause. 5.5.1 (Ref. IS 15298 (Part-1))
666.		Tensile Strength of Upper	IS 12254 :2021 With A1 & A2 Clause. 5.5.2 (Ref. IS 15298 (Part-1))
667.		Flexing Resistance of Upper	IS 12254 :2021 With A1 & A2 Clause. 5.5.3 (Ref. IS 15298 (Part-1))
668.		Hardness of Upper	IS 12254 :2021 With A1 & A2 Clause. 5.5.4 (Ref. IS 12240 (Part-2))
669.		Additional Cold Flex Resistance of Upper	IS 12254 :2021 With A1 & A2 Clause. 5.5.5 (Annex B of ISO 4643)
670.		Lining Material	IS 12254 :2021 With A1 & A2 Clause. 5.6.1
671.		Tear Strength of Lining	IS 12254 :2021 With A1 & A2 Clause. 5.6.2 (Ref. IS 15298 (Part-1))



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
672.		Abrasion Resistance of Lining	IS 12254 :2021 With A1 & A2 Clause. 5.6.3 (Ref. IS 15298 (Part-1))
673.		Adhesion of Lining with Upper	IS 12254 :2021 With A1 & A2 Clause. 5.6.4 (Ref. IS 3400 (Part-5))
674.		Insole Material and Thickness	IS 12254 :2021 With A1 & A2 Clause. 5.7.1 (Ref. IS 15298 (Part-1))
675.		Insole Abrasion Resistance	IS 12254 :2021 With A1 & A2 Clause. 5.7.2 (Ref. IS 15298 (Part-1))
676.		Insole Water Absorption and Desorption	IS 12254 :2021 With A1 & A2 Clause. 5.7.3 (Ref. IS 15298 (Part-1))
677.		Insole Water Absorption and Desorption	IS 12254 :2021 With A1 & A2 Clause. 5.7.3 (Ref. IS 15298 (Part-1))
678.	Polyvinylchloride (PVC) Industrial Boots — Specification (Second Revision)	Press Buttons Material	IS 12254 :2021 With A1 & A2 Clause. 5.8.1
679.		Eyelets Material	IS 12254 :2021 With A1 & A2 Clause. 5.8.2
680.		Eyelets Size	IS 12254 :2021 With A1 & A2 Clause. 5.8.2 (Ref. of Table-1 of IS 5041)
681.		Laces Material	IS 12254 :2021 With A1 & A2 Clause. 5.8.2
682.		Laces Length	IS 12254 :2021 With A1 & A2 Clause. 5.8.2
683.		Laces Breaking Load	IS 12254 :2021 With A1 & A2 Clause. 5.8.2 (Ref. IS 1969 (Part-1) OR IS 1969



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			(Part-2))
684.		Insocks Thickness	IS 12254 :2021 With A1 & A2 Clause. 5.9
685.		Insocks Material	IS 12254 :2021 With A1 & A2 Clause. 5.9.1
686.		Insocks Abrasion resistance	IS 12254 :2021 With A1 & A2 Clause. 5.9.2 (Ref. IS 15298 (Part-1))
687.		Insocks Water Absorption and Desorption Test	IS 12254 :2021 With A1 & A2 Clause. 5.9.3 (Ref. IS 15298 (Part-1))
688.		Insocks Water Absorption and Desorption Test	IS 12254 :2021 With A1 & A2 Clause. 5.9.3 (Ref. IS 15298 (Part-1))
689.		Closing Thread Construction	IS 12254 :2021 With A1 & A2 Clause. 5.10
690.		Closing Thread Breaking Load	IS 12254 :2021 With A1 & A2 Clause. 5.10 (Ref. IS 4910 (Part-3))
691.	Polyvinylchloride (PVC)	Outsole Material	IS 12254 :2021 With A1 & A2 Clause. 5.11.1
692.	Industrial Boots — Specification (Second Revision)	Outsole Thickness	IS 12254 :2021 With A1 & A2 Clause. 5.11.1
693.		Outsole Density	IS 12254 :2021 With A1 & A2 Clause. 5.11.2 (Ref. IS 12240 (Part-3))
694.		Sole Interlayer Strength	IS 12254 :2021 With A1 & A2 Clause. 5.11.3 (Ref. IS 15298 (Part-1))



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
695.		Sole Tear Strength	IS 12254 :2021 With A1 & A2 Clause. 5.11.4 (Ref. IS 15298 (Part-1))
696.		Sole Abrasion Resistance	IS 12254 :2021 With A1 & A2 Clause. 5.11.5 (Ref. IS 15298 (Part-1))
697.		Sole Hardness	IS 12254 :2021 With A1 & A2 Clause. 5.11.6 (Ref. IS 12240 (Part-2))
698.		Sole Flexing Resistance	IS 12254 :2021 With A1 & A2 Clause. 5.11.7 (Ref. IS 15298 (Part-1))
699.		Sole Cold Flex Resistance Test	IS 12254 :2021 With A1 & A2 Clause. 5.11.8 (Ref. of Annex C of ISO 4643)
700.	Leather Safety and Protective - Footwear with Direct Moulded	Type and variety	IS 14544:2022 Clause 5
701.		Design	IS 14544:2022 Clause 6.2 (Ref. Fig. 3 of IS 15298 (Part 2).)
702.	Leather Safety and Protective - Footwear with Direct Moulded	Size and Fitting	IS 14544:2022 Clause 6.3 (Ref. of IS 1638)
703.		Height of Upper	IS 14544:2022 Clause 6.4 (Ref. Table 4 of IS 15298 (Part 2), Table 4 of IS 15298 Part 3)
704.		Construction	IS 14544:2022 Clause 6.5.1
705.		Ergonomic Feature	IS 14544:2022 Clause 6.5.2 (Ref. 5.1 of IS 15298 (Part 1),)
706.		Upper – Outsole Bond Strength	IS 14544:2022 Clause 6.5.3 (Ref. 5.2 of IS 15298 (Part 1),)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
707.		Slip Resistance	IS 14544:2022 Clause 6.5.4 (Ref. 5.11 of IS 15298 (Part 1),)
708.		Resistance to Fuel Oil	IS 14544:2022 Clause 6.5.5 (Ref. 8.6.1 of IS 15298 (Part 1),)
709.		Impact Resistance (toecap)	IS 14544:2022 Clause 6.5.6 (Ref. 5.4 of IS 15298 (Part 1),)
710.		Compression Resistance (Toecap)	IS 14544:2022 Clause 6.5.7 (Ref. 5.5 of IS 15298 (Part 1),)
711.		Resistance to Corrosion (Toecap)	IS 14544:2022 Clause 6.5.8 (Ref. Method 2 of IS 17098.)
712.		General	IS 14544:2022 Clause 6.6 (Ref. Clause 5.4.1 of IS 15298 (Part 2))
713.		Material of upper (leather)	IS 14544:2022 Clause 6.6.2
714.	Leather Safety and Protective - Footwear with Direct Moulded	Tear Strength of upper	IS 14544:2022 Clause 6.6.3 (Ref. Clause 6.3 of IS 15298 (Part 1),)
715.		Tensile Strength of upper	IS 14544:2022 Clause 6.6.4 (Ref. Clause 6.4.1 of IS 15298 (Part 1),)
716.		Water Vapour Permeability of upper	IS 14544:2022 Clause 6.6.5 (Ref. Clause 6.6 of IS 15298 (Part 1),)
717.		Water Vapour Coefficient of upper	IS 14544:2022 Clause 6.6.5 (Ref. Clause 6.8 of IS 15298 (Part 1),)
718.		Material of Vamp and Quarter Lining	IS 14544:2022 Clause 6.7.1



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
719.	Leather Safety and Protective - Footwear with Direct Moulded	Tear Strength of Vamp and Quarter Lining	IS 14544:2022 Clause 6.7.2 (Ref. Clause 6.3 of IS 15298 (Part 1),)
720.		Abrasion Resistance of Vamp and Quarter Lining	IS 14544:2022 Clause 6.7.3 (Ref. Clause 6.12 of IS 15298 (Part 1),)
721.		Water Vapour Permeability of Vamp and Quarter Lining	IS 14544:2022 Clause 6.7.4 (Ref. Clause 6.6 of IS 15298 (Part 1),)
722.		Water Vapour Coefficient of Vamp and Quarter Lining	IS 14544:2022 Clause 6.7.4 (Ref. Clause 6.8 of IS 15298 (Part 1),)
723.		Toe Caps -	IS 14544:2022 Clause 6.8 (Ref. IS 5852 PART 1 & PART 2)
724.		Insole- material	IS 14544:2022 Clause 6.9.1
725.		Insole- thickness	IS 14544:2022 Clause 6.9.2 (Ref. Clause 6.8 of IS 15298 (Part 1),)
726.		Abrasion Resistance of insole	IS 14544:2022 Clause 6.9.3 (Ref. Clause 7.3.6 of IS 15298 (Part 1))
727.		Water Absorption of insole	IS 14544:2022 Clause 6.9.4 (Ref. Clause 7.2 of IS 15298 (Part 1))
728.		Water Desorption of insole	IS 14544:2022 Clause 6.9.4 (Ref. Clause 7.2 of IS 15298 (Part 1))
729.		Insocks- thickness	IS 14544:2022 Clause 6.10
730.		Insocks- material	IS 14544:2022 Clause 6.10.1



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
731.		Abrasion Resistance of insocks	IS 14544:2022 Clause 6.10.2 (Ref. Clause 6.12 of IS 15298 (Part 1))
732.		Water Absorption of insock	IS 14544:2022 Clause 6.10.3 (Ref. Clause 7.2 of IS 15298 (Part 1))
733.		Water Desorption of insock	IS 14544:2022 Clause 6.10.3 (Ref. Clause 7.2 of IS 15298 (Part 1))
734.		Stiffener	IS 14544:2022 Clause 6.11 (Ref. IS 7554.)
735.		Tongue	IS 14544:2022 Clause 6.12 (Ref. Clause 6.6 of IS 14544:2022).
736.	Leather Safety and Protective - Footwear with Direct Moulded	Tongue	IS 14544:2022 Clause 6.12 (Ref. Clause 6.3 of IS 15298 (Part 1))
737.		Closing Thread- breaking load	IS 14544:2022 Clause 6.13
738.		Outsole- material	IS 14544:2022 Clause 6.14.1
739.		Outsole- thickness	IS 14544:2022 Clause 6.14.2 (Ref. Clause 8.1.2 of IS 15298 (Part 1))
740.		Cleated Area of outsole	IS 14544:2022 Clause 6.14.3 (Ref. Fig. 38 of IS 15298 (Part 1))
741.		Cleat Height of outsole	IS 14544:2022 Clause 6.14.4 (Ref. Clause 8.1 of IS 15298 (Part 1))
742.		Tear Strength of outsole	IS 14544:2022 Clause 6.14.5 (Ref. Clause 8.2 of IS 15298 (Part 1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
743.		Abrasion Resistance of outsole	IS 14544:2022 Clause 6.14.6 (Ref. Clause 8.3 of IS 15298 (Part 1))
744.		Flexing Resistance of outsole	IS 14544:2022 Clause 6.14.7 (Ref. Clause 8.4 of IS 15298 (Part 1))
745.		Interlayer Bond Strength of outsole	IS 14544:2022 Clause 6.14.8 (Ref. Clause 5.2 of IS 15298 (Part 1))
746.		Lace- material and length	IS 14544:2022 Clause 6.15.1
747.		Colour Fastness of lace	IS 14544:2022 Clause 6.15.2 (Ref. IS/ISO 105-E01)
748.	Leather Safety and Protective - Footwear with Direct Moulded	Lace to lace Abrasion Resistance	IS 14544:2022 Clause 6.15.3.1 (Ref. Method 1 of ISO 22774.)
749.		Lace to eyelet Abrasion Resistance	IS 14544:2022 Clause 6.15.3.2 (Ref. Method 3 of ISO 22774.)
750.		Breaking Load	IS 14544:2022 Clause 6.15.4 (Ref. IS 1969 (Part 1) or IS 1969 (Part 2)..)
751.		Tag retention load	IS 14544:2022 Clause 6.15.4 (Ref. Annex H of 15844)
752.		Antistatic footwear	IS 14544:2022 Clause 8.1 (Ref. Clause 5.10 of IS 15298 (Part 1))
753.		Conductive Footwear	IS 14544:2022 Clause 8.2 (Ref. Clause 5.10 of IS 15298 (Part 1))
754.		Cold insulation of Sole	IS 14544:2022 Clause 8.3 (Ref. Clause 5.13 of IS 15298 (Part 1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
755.		Heat insulation of Sole	IS 14544:2022 Clause 8.4 (Ref. Clause 5.12 of IS 15298(Part 1))
756.	Personal protective equipment — safety footwear	Classification of footwear	IS 15298 (Part 2): 2024 Clause no. 4 & Table No. 1
757.		Design of footwear	IS 15298 (Part 2): 2024 Clause no. 5.2.1 & Fig. 4
758.		Height of upper	IS 15298 (Part 2): 2024 Clause no. 5.2.2 & Table 4 (Ref. Clause no. 6.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
759.		Heel area	IS 15298 (Part 2): 2024 Clause no. 5.2.3 (Ref. ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024, Figure 12))
760.	Personal protective equipment — safety footwear	Construction	IS 15298 (Part 2): 2024 Clause no. 5.3.1.1
761.		Upper to outsole bond strength	IS 15298 (Part 2): 2024 Clause no. 5.3.1.2 (Ref. Clause no. 5.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
762.		General	IS 15298 (Part 2): 2024 Clause no. 5.3.2.1 (Ref. Clause no. 4.2 of ISO 22568-1:2019 & Clause no. 4.2 of ISO 22568-2:2019)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
763.	Personal protective equipment — safety footwear	Interl length	IS 15298 (Part 2): 2024 Clause no. 5.3.2.2 Table 5 (Ref. Clause no. 5.3.2.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
764.		Width of toecap flange	IS 15298 (Part 2): 2024 Clause no. 5.3.2.3 (Ref. Clause no. 5.3.2.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
765.		Corrosion resistance of Class I footwear and hybrid mounted footwear	IS 15298 (Part 2): 2024 Clause no. 5.3.2.4.1 (Ref. Clause no. 5.6.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
766.		Corrosion resistance of Class II and hybrid moulded footwear	IS 15298 (Part 2): 2024 Clause no. 5.3.2.4.2 (Ref. Clause no. 5.6.2.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
767.		Behaviour of toe caps (Thermal and chemical)	IS 15298 (Part 2): 2024 Clause no. 5.3.2.5 (Ref. Clause no. 5.6.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
768.		Impact resistance	IS 15298 (Part 2): 2024 Clause no. 5.3.2.6 (Ref. Clause no. 5.4 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
769.	Personal protective equipment — safety footwear	Compression resistance	IS 15298 (Part 2): 2024 Clause no. 5.3.2.7 (Ref. Clause no. 5.5 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
770.		Leak proofness	IS 15298 (Part 2): 2024 Clause no. 5.3.3 (Ref. Clause no. 5.7 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
771.		Specific ergonomic features	IS 15298 (Part 2): 2024 Clause no. 5.3.4 (Ref. Clause no. 5.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
772.		Slip resistance	IS 15298 (Part 2): 2024 Clause no. 5.3.5 (Ref. Clause no. 5.14 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
773.		Seam strength	IS 15298 (Part 2): 2024 Clause no. 5.3.7 (Ref. Clause no. 5.25 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
774.		General requirement for upper	IS 15298 (Part 2): 2024 Clause no. 5.4.1
775.		Determination of area for class I and Hybrid footwear footwear	IS 15298 (Part 2): 2024 Clause no. 5.4.1.1 & 5.4.1.2 & Table 8



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
776.		Thickness of upper	IS 15298 (Part 2): 2024 Clause no. 5.4.2 (Ref. Clause no. 6.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
777.		Tear strength	IS 15298 (Part 2): 2024 Clause no. 5.4.3 (Ref. Clause no. 6.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
778.		Tensile properties	IS 15298 (Part 2): 2024 Clause no. 5.4.4 (Ref. Clause no. 6.4 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
779.		Flexing resistance	IS 15298 (Part 2): 2024 Clause no. 5.4.5 (Ref. Clause no. 6.5 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
780.		Water vapour permeability	IS 15298 (Part 2): 2024 Clause no. 5.4.6 (Ref. Clause no. 6.6 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
781.	Personal protective equipment — safety footwear	Water vapour coefficient	IS 15298 (Part 2): 2024 Clause no. 5.4.6 (Ref. Clause no. 6.8 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
782.		Resistance to hydrolysis	IS 15298 (Part 2): 2024 Clause no. 5.4.7 (Ref. Clause no. 6.10 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
783.		General requirements of lining	IS 15298 (Part 2): 2024 Clause no. 5.5.1`
784.		Tear strength	IS 15298 (Part 2): 2024 Clause no. 5.5.2 (Ref. Clause no. 6.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
785.		Abrasion resistance	IS 15298 (Part 2): 2024 Clause no. 5.5.3 (Ref. Clause no. 6.12 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
786.		Water vapour permeability	IS 15298 (Part 2): 2024 Clause no. 5.5.4 (Ref. Clause no. 6.6 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
787.	Personal protective equipment — safety footwear	Water vapour coefficient	IS 15298 (Part 2): 2024 Clause no. 5.5.4 (Ref. Clause no. 6.8 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
788.		General requirements of tounge	IS 15298 (Part 2): 2024 Clause no. 5.6.1 (Ref. Clause no. 6.8 of ISO 20344:2021/EN 20344:2022/IS 15298



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			(Part 1):2024)
789.		Tear strength	IS 15298 (Part 2): 2024 Clause no. 5.6.2 (Ref. Clause no. 6.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
790.		Thickness of Insole, insock and footbed	IS 15298 (Part 2): 2024 Clause no. 5.7.1 (Ref. Clause no. 7.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
791.		Water permeability of Insole, insock and footbed	IS 15298 (Part 2): 2024 Clause no. 5.7.2 (Ref. Clause no. 7.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
792.		Water absorption of Insole, insock and footbed	IS 15298 (Part 2): 2024 Clause no. 5.7.3 (Ref. Clause no. 7.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
793.		Water desorption of Insole, insock and footbed	IS 15298 (Part 2): 2024 Clause no. 5.7.3 (Ref. Clause no. 7.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
794.	Personal protective equipment — safety footwear	Abrasion resistance of Insole	IS 15298 (Part 2): 2024 Clause no. 5.7.4.1 (Ref. Clause no. 7.3 of ISO 20344:2021/EN 20344:2022/IS 15298



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			(Part 1):2024)
795.		Abrasion resistance of Insocks	IS 15298 (Part 2): 2024 Clause no. 5.7.4.2 (Ref. Clause no. 6.12 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
796.		General requirement of outsole	IS 15298 (Part 2): 2024 Clause no. 5.8.1
797.		Thickness of outsole	IS 15298 (Part 2): 2024 Clause no. 5.8.2.1 (Ref. Clause no. 8.2.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
798.		Cleated area of outsole	IS 15298 (Part 2): 2024 Clause no. 5.8.2.2 (Ref. Clause no. 8.2.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
799.		Cleat height of outsole	IS 15298 (Part 2): 2024 Clause no. 5.8.2.3 (Ref. Clause no. 8.2.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
800.	Personal protective equipment — safety footwear	Tear strength of outsole	IS 15298 (Part 2): 2024 Clause no. 5.8.3 (Ref. Clause no. 8.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
801.		Abrasion resistance of outsole	IS 15298 (Part 2): 2024 Clause no. 5.8.4 (Ref. Clause no. 8.4 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
802.		Flexing resistance of outsole	IS 15298 (Part 2): 2024 Clause no. 5.8.5 (Ref. Clause no. 8.6 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
803.		Resistance to hydrolysis of outsole	IS 15298 (Part 2): 2024 Clause no. 5.8.6 (Ref. Clause no. 8.7 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
804.		Interlayer bond strength	IS 15298 (Part 2): 2024 Clause no. 5.8.7 (Ref. Clause no. 5.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
805.		General	IS 15298 (Part 2): 2024 Clause no. 6.2.1.1.1
806.		Metallic perforation-resistant inserts (Type P)	IS 15298 (Part 2): 2024 Clause no. 6.2.1.1.2 (Ref. Clause no. 5.9 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
807.	Personal protective equipment — safety footwear	Non-metallic perforation-resistant inserts and INSOLE (Type PL)	IS 15298 (Part 2): 2024 Clause no. 6.2.1.1.3 (Ref. Clause no. 5.10.4.2.2 of ISO 20344:2021/EN 20344:2022/IS



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			15298 (Part 1):2024)
808.		Non-metallic perforation-resistant inserts and insoles (Type PS)	IS 15298 (Part 2): 2024 Clause no. 6.2.1.1.4 (Ref. Clause no. 5.10.4.2.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
809.		Construction of perforation resistance	IS 15298 (Part 2): 2024 Clause no. 6.2.1.2
810.		Dimensions	IS 15298 (Part 2): 2024 Clause no. 6.2.1.3 (Ref. Clause no. 5.8 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
811.		Flex resistance of perforation-resistant inserts	IS 15298 (Part 2): 2024 Clause no. 6.2.1.4.1 (Ref. Clause no. 5.12 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
812.		Corrosion resistance of perforation-resistant metallic inserts for Class I footwear and hybrid mounted footwear	IS 15298 (Part 2): 2024 Clause no. 6.2.1.4.2.1 (Ref. Clause no. 5.11.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
813.	Personal protective equipment — safety footwear	Corrosion resistance of perforation-resistant metallic inserts for Class II footwear and hybrid moulded footwear	IS 15298 (Part 2): 2024 Clause no. 6.2.1.4.2.2 (Ref. Clause no. 5.6.2.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
814.		Stability against ageing and	IS 15298 (Part 2): 2024 Clause no.



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
		environmental influence of non-metallic perforation resistant inserts	6.2.1.4.3 (Ref. Clause no. 5.11.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
815.		Electrical properties - Partially conductive footwear	IS 15298 (Part 2): 2024 Clause no. 6.2.2.1 (Ref. Clause no. 5.13 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
816.		Electrical properties - Antistatic footwear	IS 15298 (Part 2): 2024 Clause no. 6.2.2.2 (Ref. Clause no. 5.13 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
817.		Heat insulation of outsole complex	IS 15298 (Part 2): 2024 Clause no. 6.2.3.1 (Ref. Clause no. 5.15 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
818.		Cold insulation of outsole complex	IS 15298 (Part 2): 2024 Clause no. 6.2.3.2 (Ref. Clause no. 5.16 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
819.	Personal protective equipment — safety footwear	Energy absorption of seat region	IS 15298 (Part 2): 2024 Clause no. 6.2.4 (Ref. Clause no. 5.17 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
820.		Water resistance	IS 15298 (Part 2): 2024 Clause no. 6.2.5 (Ref. Clause no. 5.18 & 5.19 of



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
821.		Metatarsal protection - Construction	IS 15298 (Part 2): 2024 Clause no. 6.2.6.1
822.		Impact resistance of metatarsal protection device	IS 15298 (Part 2): 2024 Clause no. 6.2.6.2 (Ref. Clause no. 5.20 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
823.		Cut resistance - Design	IS 15298 (Part 2): 2024 Clause no. 6.2.8.1
824.		Dimensions and construction of protective area	IS 15298 (Part 2): 2024 Clause no. 6.2.8.2 (Ref. Clause no. 5.23.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
825.		Resistance to cutting	IS 15298 (Part 2): 2024 Clause no. 6.2.8.3 (Ref. Clause no. 5.23.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
826.	Personal protective equipment — safety footwear	Scuff cap abrasion	IS 15298 (Part 2): 2024 Clause no. 6.2.9 (Ref. Clause no. 5.24.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
827.		Slip resistance	IS 15298 (Part 2): 2024 Clause no. 6.2.10 (Ref. Clause no. 5.14 of ISO 20344:2021/EN 20344:2022/IS 15298



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			(Part 1):2024)
828.		Upper — Water penetration	IS 15298 (Part 2): 2024 Clause no. 6.3 (Ref. Clause no. 6.13 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
829.		Upper — Water absorption	IS 15298 (Part 2): 2024 Clause no. 6.3 (Ref. Clause no. 6.13 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
830.		Outsole - Resistance to hot contact	IS 15298 (Part 2): 2024 Clause no. 6.4.1 (Ref. Clause no. 8.9 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
831.		Outsole - Resistance to fuel oil	IS 15298 (Part 2): 2024 Clause no. 6.4.2 (Ref. Clause no. 8.8.2.1 & 8.8.2.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
832.		Ladder grip - Mechanical properties	IS 15298 (Part 2): 2024 Clause no. 6.4.3.1
833.	Personal protective equipment — safety footwear	Ladder grip - Design	IS 15298 (Part 2): 2024 Clause no. 6.4.3.2
834.		Ladder grip - Cleat height in the waist area	IS 15298 (Part 2): 2024 Clause no. 6.4.3.3
835.		Ladder grip - Heel breast	IS 15298 (Part 2): 2024 Clause no.



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			6.4.3.4
836.		Marking	IS 15298 (Part 2): 2024 Clause no. 7
837.		Classification of footwear	IS 15298 (Part 3):2024 Clause no. 4 & Table No. 1
838.		Design of footwear	IS 15298 (Part 3):2024 Clause no. 5.2.1 & Fig. 4
839.		Height of upper	IS 15298 (Part 3):2024 Clause no. 5.2.2 & Table 4 (Ref. Clause no. 6.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
840.	Personal protective equipment —Protective footwear	Heel area	IS 15298 (Part 3):2024 Clause no. 5.2.3 (Ref. ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024, Figure 12))
841.		Construction	IS 15298 (Part 3):2024 Clause no. 5.3.1.1
842.		Upper to outsole bond strength	IS 15298 (Part 3):2024 Clause no. 5.3.1.2 (Ref. Clause no. 5.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024:2021/EN 20344:2022/IS 15298 (Part 1):2024)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
843.	Personal protective equipment —Protective footwear	General	IS 15298 (Part 3):2024 Clause no. 5.3.2.1 (Ref. Clause no. 4.2 of ISO 22568-1:2019 & Clause no. 4.2 of ISO 22568-2:2019)
844.		Interl length	IS 15298 (Part 3):2024 Clause no. 5.3.2.2 Table 5 (Ref. Clause no. 5.3.2.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024:2021/EN 20344:2022/IS 15298 (Part 1):2024)
845.		Width of toecap flange	IS 15298 (Part 3):2024 Clause no. 5.3.2.3 (Ref. Clause no. 5.3.2.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
846.		Corrosion resistance of Class I footwear and hybrid mounted footwear	IS 15298 (Part 3):2024 Clause no. 5.3.2.4.1 (Ref. Clause no. 5.6.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
847.		Corrosion resistance of Class II and hybrid moulded footwear	IS 15298 (Part 3):2024 Clause no. 5.3.2.4.2 (Ref. Clause no. 5.6.2.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
848.	Personal protective equipment —Protective footwear	Behaviour of toe caps (Thermal and chemical)	IS 15298 (Part 3):2024 Clause no. 5.3.2.5 (Ref. Clause no. 5.6.2 of ISO



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
849.		Impact resistance	IS 15298 (Part 3):2024 Clause no. 5.3.2.6 (Ref. Clause no. 5.4 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
850.		Compression resistance	IS 15298 (Part 3):2024 Clause no. 5.3.2.7 (Ref. Clause no. 5.5 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
851.		Leak proofness	IS 15298 (Part 3):2024 Clause no. 5.3.3 (Ref. Clause no. 5.7 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
852.		Specific ergonomic features	IS 15298 (Part 3):2024 Clause no. 5.3.4 (Ref. Clause no. 5.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
853.		Slip resistance	IS 15298 (Part 3):2024 Clause no. 5.3.5 (Ref. Clause no. 5.14 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
854.		Seam strength	IS 15298 (Part 3):2024 Clause no. 5.3.7 (Ref. Clause no. 5.25 of ISO 20344:2021/EN 20344:2022/IS 15298



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			(Part 1):2024)
855.	Personal protective equipment —Protective footwear	General requirement for upper	IS 15298 (Part 3):2024 Clause no. 5.4.1
856.		Determination of area for class I and Hybrid footwear footwear	IS 15298 (Part 3):2024 Clause no. 5.4.1.1 & 5.4.1.2 & Table 8
857.		Thickness of upper	IS 15298 (Part 3):2024 Clause no. 5.4.2 (Ref. Clause no. 6.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
858.		Tear strength	IS 15298 (Part 3):2024 Clause no. 5.4.3 (Ref. Clause no. 6.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
859.		Tensile properties	IS 15298 (Part 3):2024 Clause no. 5.4.4 (Ref. Clause no. 6.4 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
860.		Flexing resistance	IS 15298 (Part 3):2024 Clause no. 5.4.5 (Ref. Clause no. 6.5 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
861.		Water vapour permeability	IS 15298 (Part 3):2024 Clause no. 5.4.6 (Ref. Clause no. 6.6 of ISO 20344:2021/EN 20344:2022/IS 15298



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			(Part 1):2024)
862.		Water vapour coefficient	IS 15298 (Part 3):2024 Clause no. 5.4.6 (Ref. Clause no. 6.8 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
863.	Personal protective equipment — Protective footwear	Resistance to hydrolysis	IS 15298 (Part 3):2024 Clause no. 5.4.7 (Ref. Clause no. 6.10 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
864.		General requirements of lining	IS 15298 (Part 3):2024 Clause no. 5.5.1`
865.		Tear strength	IS 15298 (Part 3):2024 Clause no. 5.5.2 (Ref. Clause no. 6.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
866.		Abrasion resistance	IS 15298 (Part 3):2024 Clause no. 5.5.3 (Ref. Clause no. 6.12 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
867.		Water vapour permeability	IS 15298 (Part 3):2024 Clause no. 5.5.4 (Ref. Clause no. 6.6 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
868.		Water vapour coefficient	IS 15298 (Part 3):2024 Clause no. 5.5.4



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			(Ref. Clause no. 6.8 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
869.		General requirements of touge	IS 15298 (Part 3):2024 Clause no. 5.6.1 (Ref. Clause no. 6.8 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
870.		Tear strength	IS 15298 (Part 3):2024 Clause no. 5.6.2 (Ref. Clause no. 6.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
871.	Personal protective equipment —Protective footwear	Thickness of Insole, insock and footbed	IS 15298 (Part 3):2024 Clause no. 5.7.1 (Ref. Clause no. 7.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
872.	Personal protective equipment —Protective footwear	Water permeability of Insole, insock and footbed	IS 15298 (Part 3):2024 Clause no. 5.7.2 (Ref. Clause no. 7.2 of ISO 20344:2021 /EN 20344:2022/IS 15298 (Part 1):2024)
873.	Personal protective equipment —Protective footwear	Water absorption of Insole, insock and footbed	IS 15298 (Part 3):2024 Clause no. 5.7.3 (Ref. Clause no. 7.2 of ISO 20344:2021 /EN 20344:2022/IS 15298 (Part 1):2024)
874.	Personal protective equipment —Protective footwear	Water desorption of Insole, insock and footbed	IS 15298 (Part 3):2024 Clause no. 5.7.3 (Ref. Clause no. 7.2 of ISO 20344:



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			2021/EN 20344:2022/IS 15298 (Part 1):2024)
875.	Personal protective equipment —Protective footwear	Abrasion resistance of Insole	IS 15298 (Part 3):2024 Clause no. 5.7.4.1 (Ref. Clause no. 7.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
876.	Personal protective equipment —Protective footwear	Abrasion resistance of Insocks	IS 15298 (Part 3):2024 Clause no. 5.7.4.2 (Ref. Clause no. 6.12 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
877.	Personal protective equipment —Protective footwear	General requirement of outsole	IS 15298 (Part 3):2024 Clause no. 5.8.1
878.	Personal protective equipment —Protective footwear	Thickness of outsole	IS 15298 (Part 3):2024 Clause no. 5.8.2.1 (Ref. Clause no. 8.2.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
879.	Personal protective equipment —Protective footwear	Cleated area of outsole	IS 15298 (Part 3):2024 Clause no. 5.8.2.2 (Ref. Clause no. 8.2.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
880.	Personal protective equipment —Protective footwear	Cleat height of outsole	IS 15298 (Part 3):2024 Clause no. 5.8.2.3 (Ref. Clause no. 8.2.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
881.	Personal protective equipment —Protective footwear	Tear strength of outsole	IS 15298 (Part 3):2024 Clause no. 5.8.3 (Ref. Clause no. 8.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
882.	Personal protective equipment —Protective footwear	Abrasion resistance of outsole	IS 15298 (Part 3):2024 Clause no. 5.8.4 (Ref. Clause no. 8.4 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
883.	Personal protective equipment —Protective footwear	Flexing resistance of outsole	IS 15298 (Part 3):2024 Clause no. 5.8.5 (Ref. Clause no. 8.6 of ISO 20344:2021 /EN 20344:2022/IS 15298 (Part 1): 2024)
884.	Personal protective equipment —Protective footwear	Resistance to hydrolysis of outsole	IS 15298 (Part 3):2024 Clause no. 5.8.6 (Ref. Clause no. 8.7 of ISO 20344:2021 /EN 20344:2022/IS 15298 (Part 1):2024)
885.	Personal protective equipment —Protective footwear	Interlayer bond strength	IS 15298 (Part 3):2024 Clause no. 5.8.7 (Ref. Clause no. 5.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
886.	Personal protective equipment —Protective footwear	General	IS 15298 (Part 3):2024 Clause no. 6.2.1.1.1
887.	Personal protective equipment —Protective footwear	Metallic perforation-resistant inserts (Type P)	IS 15298 (Part 3):2024 Clause no. 6.2.1.1.2 (Ref. Clause no. 5.9 of ISO 20344:2021/EN 20344:2022/IS 15298



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			(Part 1):2024)
888.	Personal protective equipment —Protective footwear	Non-metallic perforation-resistant inserts and INSOLE (Type PL)	IS 15298 (Part 3):2024 Clause no. 6.2.1.1.3 (Ref. Clause no. 5.10.4.2.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
889.	Personal protective equipment —Protective footwear	Non-metallic perforation-resistant inserts and insoles (Type PS)	IS 15298 (Part 3):2024 Clause no. 6.2.1.1.4 (Ref. Clause no. 5.10.4.2.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
890.	Personal protective equipment —Protective footwear	Construction of perforation resistance	IS 15298 (Part 3):2024 Clause no. 6.2.1.2
891.	Personal protective equipment —Protective footwear	Dimensions	IS 15298 (Part 3):2024 Clause no. 6.2.1.3 (Ref. Clause no. 5.8 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
892.	Personal protective equipment —Protective footwear	Flex resistance of perforation-resistant inserts	IS 15298 (Part 3):2024 Clause no. 6.2.1.4.1 (Ref. Clause no. 5.12 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
893.	Personal protective equipment —Protective footwear	Corrosion resistance of perforation-resistant metallic inserts for Class I footwear and hybrid mounted footwear	IS 15298 (Part 3):2024 Clause no. 6.2.1.4.2.1 (Ref. Clause no. 5.11.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
894.	Personal protective equipment	Corrosion resistance of	IS 15298 (Part 3):2024 Clause no.



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
	— Protective footwear	perforation-resistant metallic inserts for Class II footwear and hybrid moulded footwear	6.2.1.4.2.2 (Ref. Clause no. 5.6.2.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
895.	Personal protective equipment — Protective footwear	Stability against ageing and environmental influence of non-metallic perforationresistant inserts	IS 15298 (Part 3):2024 Clause no. 6.2.1.4.3 (Ref. Clause no. 5.11.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
896.	Personal protective equipment — Protective footwear	Electrical properties - Partially conductive footwear	IS 15298 (Part 3):2024 Clause no. 6.2.2.1 (Ref. Clause no. 5.13 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
897.	Personal protective equipment — Protective footwear	Electrical properties -Antistatic footwear	IS 15298 (Part 3):2024 Clause no. 6.2.2.2 (Ref. Clause no. 5.13 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
898.	Personal protective equipment — Protective footwear	Heat insulation of outsole complex	IS 15298 (Part 3):2024 Clause no. 6.2.3.1 (Ref. Clause no. 5.15 of ISO20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
899.	Personal protective equipment — Protective footwear	Cold insulation of outsole complex	IS 15298 (Part 3):2024 Clause no. 6.2.3.2 (Ref. Clause no. 5.16 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)



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	Leather and Leather Products		
900.	Personal protective equipment —Protective footwear	Energy absorption of seat region	IS 15298 (Part 3):2024 Clause no. 6.2.4 (Ref. Clause no. 5.17 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
901.	Personal protective equipment —Protective footwear	Water resistance	IS 15298 (Part 3):2024 Clause no. 6.2.5 (Ref. Clause no. 5.18 & 5.19 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
902.	Personal protective equipment —Protective footwear	Metatarsal protection - Construction	IS 15298 (Part 3):2024 Clause no. 6.2.6.1
903.	Personal protective equipment —Protective footwear	Impact resistance of metatarsal protection device	IS 15298 (Part 3):2024 Clause no. 6.2.6.2 (Ref. Clause no. 5.20 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
904.	Personal protective equipment —Protective footwear	Cut resistance - Design	IS 15298 (Part 3):2024 Clause no. 6.2.8.1
905.	Personal protective equipment —Protective footwear	Dimensions and construction of protective area	IS 15298 (Part 3):2024 Clause no. 6.2.8.2 (Ref. Clause no. 5.23.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
906.	Personal protective equipment —Protective footwear	Resistance to cutting	IS 15298 (Part 3):2024 Clause no. 6.2.8.3 (Ref. Clause no. 5.23.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
907.	Personal protective equipment —Protective footwear	Scuff cap abrasion	IS 15298 (Part 3):2024 Clause no. 6.2.9 (Ref. Clause no. 5.24.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
908.	Personal protective equipment —Protective footwear	Slip resistance	IS 15298 (Part 3):2024 Clause no. 6.2.10 (Ref. Clause no. 5.14 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
909.	Personal protective equipment —Protective footwear	Upper — Water penetration	IS 15298 (Part 3):2024 Clause no. 6.3 (Ref. Clause no. 6.13 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
910.	Personal protective equipment —Protective footwear	Upper — Water absorption	IS 15298 (Part 3):2024 Clause no. 6.3 (Ref. Clause no. 6.13 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
911.	Personal protective equipment —Protective footwear	Outsole - Resistance to hot contact	IS 15298 (Part 3):2024 Clause no. 6.4.1 (Ref. Clause no. 8.9 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
912.	Personal protective equipment —Protective footwear	Outsole - Resistance to fuel oil	IS 15298 (Part 3):2024 Clause no. 6.4.2 (Ref. Clause no. 8.8.2.1 & 8.8.2.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)



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	Leather and Leather Products		
913.	Personal protective equipment — Protective footwear	Ladder grip - Mechanical properties	IS 15298 (Part 3):2024 Clause no. 6.4.3.1
914.	Personal protective equipment — Protective footwear	Ladder grip - Design	IS 15298 (Part 3):2024 Clause no. 6.4.3.2
915.	Personal protective equipment — Protective footwear	Ladder grip - Cleat height in the waist area	IS 15298 (Part 3):2024 Clause no. 6.4.3.3
916.	Personal protective equipment — Occupational footwear	Ladder grip - Heel breast	IS 15298 (Part 3):2024 Clause no. 6.4.3.4
917.	Personal protective equipment — safety footwear	Marking	IS 15298 (Part 3):2024 Clause no. 7
918.	Personal protective equipment — Occupational footwear	Classification of footwear	IS 15298 (Part 4):2024 Clause no. 4 & Table No. 1
919.	Personal protective equipment — Occupational footwear	Design of footwear	IS 15298 (Part 4):2024 Clause no. 5.2.1 & Fig. 4
920.	Personal protective equipment — Occupational footwear	Height of upper	IS 15298 (Part 4):2024 Clause no. 5.2.2 & Table 4 (Ref. Clause no. 6.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
921.	Personal protective equipment — Occupational footwear	Heel area	IS 15298 (Part 4):2024 Clause no. 5.2.3 (Ref. ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024, Figure 12))
922.	Personal protective equipment — Occupational footwear	Construction	IS 15298 (Part 4):2024 Clause no. 5.3.1.1



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
923.	Personal protective equipment —Occupational footwear	Upper to outsole bond strength	IS 15298 (Part 4):2024 Clause no. 5.3.1.2 (Ref. Clause no. 5.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
924.	Personal protective equipment —Occupational footwear	Leak proofness	IS 15298 (Part 4):2024 Clause no. 5.3.2 (Ref. Clause no. 5.7 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
925.	Personal protective equipment —Occupational footwear	Specific ergonomic features	IS 15298 (Part 4):2024 Clause no. 5.3.3 (Ref. Clause no. 5.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
926.	Personal protective equipment —Occupational footwear	Slip resistance	IS 15298 (Part 4):2024 Clause no. 5.3.4 (Ref. Clause no. 5.14 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
927.	Personal protective equipment —Occupational footwear	Seam strength	IS 15298 (Part 4):2024 Clause no. 5.3.6 (Ref. Clause no. 5.25 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
928.	Personal protective equipment —Occupational footwear	General requirement for upper	IS 15298 (Part 4):2024 Clause no. 5.4.1
929.	Personal protective equipment —Occupational footwear	Determination of area for class I and Hybrid footwear footwear	IS 15298 (Part 4):2024 Clause no. 5.4.1.1 & 5.4.1.2 & Table 6



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
930.	Personal protective equipment —Occupational footwear	Thickness of upper	IS 15298 (Part 4):2024 Clause no. 5.4.2 (Ref. Clause no. 6.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
931.		Tear strength	IS 15298 (Part 4):2024 Clause no. 5.4.3 (Ref. Clause no. 6.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
932.		Tensile properties	IS 15298 (Part 4):2024 Clause no. 5.4.4 (Ref. Clause no. 6.4 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
933.		Flexing resistance	IS 15298 (Part 4):2024 Clause no. 5.4.5 (Ref. Clause no. 6.5 of ISO20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
934.		Water vapour permeability	IS 15298 (Part 4):2024 Clause no. 5.4.6 (Ref. Clause no. 6.6 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
935.		Water vapour coefficient	IS 15298 (Part 4):2024 Clause no. 5.4.6 (Ref. Clause no. 6.8 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
936.	Personal protective equipment —Occupational footwear	Resistance to hydrolysis	IS 15298 (Part 4):2024 Clause no. 5.4.7 (Ref. Clause no. 6.10 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
937.		General requirements of lining	IS 15298 (Part 4):2024 Clause no. 5.5.1`
938.		Tear strength	IS 15298 (Part 4):2024 Clause no. 5.5.2 (Ref. Clause no. 6.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
939.		Abrasion resistance	IS 15298 (Part 4):2024 Clause no. 5.5.3 (Ref. Clause no. 6.12 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
940.		Water vapour permeability	IS 15298 (Part 4):2024 Clause no. 5.5.4 (Ref. Clause no. 6.6 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
941.		Water vapour coefficient	IS 15298 (Part 4):2024 Clause no. 5.5.4 (Ref. Clause no. 6.8 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
942.		General requirements of tounge	IS 15298 (Part 4):2024 Clause no. 5.6.1 (Ref. Clause no. 6.8 of ISO 20344:2021/EN 20344:2022/IS 15298



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			(Part 1):2024)
943.	Personal protective equipment —Occupational footwear	Tear strength	IS 15298 (Part 4):2024 Clause no. 5.6.2 (Ref. Clause no. 6.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
944.		Thickness of Insole, insock and footbed	IS 15298 (Part 4):2024 Clause no. 5.7.1 (Ref. Clause no. 7.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
945.		Water permeability, insock and footbed	IS 15298 (Part 4):2024 Clause no. 5.7.2 (Ref. Clause no. 7.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
946.		Water absorption, insock and footbed	IS 15298 (Part 4):2024 Clause no. 5.7.3 (Ref. Clause no. 7.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
947.		Water desorption, insock and footbed	IS 15298 (Part 4):2024 Clause no. 5.7.3 (Ref. Clause no. 7.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
948.	Personal protective equipment —Occupational footwear	Abrasion resistance of Insole	IS 15298 (Part 4):2024 Clause no. 5.7.4.1 (Ref. Clause no. 7.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
949.		Abrasion resistance of Insocks	IS 15298 (Part 4):2024 Clause no. 5.7.4.2 (Ref. Clause no. 6.12 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
950.		General requirement of outsole	IS 15298 (Part 4):2024 Clause no. 5.8.1
951.		Thickness of outsole	IS 15298 (Part 4):2024 Clause no. 5.8.2.1 (Ref. Clause no. 8.2.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
952.		Cleated area of outsole	IS 15298 (Part 4):2024 Clause no. 5.8.2.2 (Ref. Clause no. 8.2.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
953.		Cleat height of outsole	IS 15298 (Part 4):2024 Clause no. 5.8.2.3 (Ref. Clause no. 8.2.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
954.		Tear strength of outsole	IS 15298 (Part 4):2024 Clause no. 5.8.3 (Ref. Clause no. 8.3 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)

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

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			(Part 1):2024)
955.	Personal protective equipment —Occupational footwear	Abrasion resistance of outsole	IS 15298 (Part 4):2024 Clause no. 5.8.4 (Ref. Clause no. 8.4 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
956.		Flexing resistance of outsole	IS 15298 (Part 4):2024 Clause no. 5.8.5 (Ref. Clause no. 8.6 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
957.		Resistance to hydrolysis of outsole	IS 15298 (Part 4):2024 Clause no. 5.8.6 (Ref. Clause no. 8.7 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
958.		Interlayer bond strength	IS 15298 (Part 4):2024 Clause no. 5.8.7 (Ref. Clause no. 5.2 of ISO20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
959.		General	IS 15298 (Part 4):2024 Clause no. 6.2.1.1.1
960.		Metallic perforation-resistant inserts (Type P)	IS 15298 (Part 4):2024 Clause no. 6.2.1.1.2 (Ref. Clause no. 5.9 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
961.	Personal protective equipment —Occupation footwear	Non-metallic perforation-resistant inserts and INSOLE (Type PL)	IS 15298 (Part 4):2024 Clause no. 6.2.1.1.3 (Ref. Clause no. 5.10.4.2.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
962.		Non-metallic perforation-resistant inserts and insoles (Type PS)	IS 15298 (Part 4):2024 Clause no. 6.2.1.1.4 (Ref. Clause no. 5.10.4.2.1 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
963.		Construction of perforation resistance	IS 15298 (Part 4):2024 Clause no. 6.2.1.2
964.		Dimensions	IS 15298 (Part 4):2024 Clause no. 6.2.1.3 (Ref. Clause no. 5.8 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
965.		Flex resistance of perforation-resistant inserts	IS 15298 (Part 4):2024 Clause no. 6.2.1.4.1 (Ref. Clause no. 5.12 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
966.		Corrosion resistance of perforation-resistant metallic inserts for Class I footwear and hybrid mounted footwear	IS 15298 (Part 4):2024 Clause no. 6.2.1.4.2.1 (Ref. Clause no. 5.11.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
967.		Corrosion resistance of perforation-resistant metallic inserts for Class II footwear	IS 15298 (Part 4):2024 Clause no. 6.2.1.4.2.2 (Ref. Clause no. 5.6.2.1 of ISO 20344:2021/EN 20344:2022/IS



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
		and hybrid moulded footwear	15298 (Part 1):2024)
968.	Personal protective equipment —Occupational footwear	Stability against ageing and environmental influence of non-metallic perforation resistant inserts	IS 15298 (Part 4):2024 Clause no. 6.2.1.4.3 (Ref. Clause no. 5.11.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
969.		Electrical properties - Partially conductive footwear	IS 15298 (Part 4):2024 Clause no. 6.2.2.1 (Ref. Clause no. 5.13 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
970.		Antistatic footwear	IS 15298 (Part 4):2024 Clause no. 6.2.2.2 (Ref. Clause no. 5.13 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
971.		Heat insulation of outsole complex	IS 15298 (Part 4):2024 Clause no. 6.2.3.1 (Ref. Clause no. 5.15 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
972.		Cold insulation of outsole complex	IS 15298 (Part 4):2024 Clause no. 6.2.3.2 (Ref. Clause no. 5.16 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
973.		Energy absorption of seat region	IS 15298 (Part 4):2024 Clause no. 6.2.4 (Ref. Clause no. 5.17 of ISO 20344:2021/EN 20344:2022/IS 15298



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			(Part 1):2024)
974.	Personal protective equipment —Occupational footwear	Water resistance	IS 15298 (Part 4):2024 Clause no. 6.2.5 (Ref. Clause no. 5.18 & 5.19 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
975.		Cut resistance - Design	IS 15298 (Part 4):2024 Clause no. 6.2.7.1
976.		Dimensions and construction of protective area	IS 15298 (Part 4):2024 Clause no. 6.2.7.2 (Ref. Clause no. 5.23.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
977.		Resistance to cutting	IS 15298 (Part 4):2024 Clause no. 6.2.7.3 (Ref. Clause no. 5.23 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
978.		Scuff cap abrasion	IS 15298 (Part 4):2024 Clause no. 6.2.8 (Ref. Clause no. 5.24.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
979.		Slip resistance	IS 15298 (Part 4):2024 Clause no. 6.2.9 (Ref. Clause no. 5.14 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
980.	Personal protective equipment —Occupational footwear	Upper — Water penetration	IS 15298 (Part 4):2024 Clause no. 6.3 (Ref. Clause no. 6.13 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
981.		Upper — Water absorption	IS 15298 (Part 4):2024 Clause no. 6.3 (Ref. Clause no. 6.13 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
982.		Outsole - Resistance to hot contact	IS 15298 (Part 4):2024 Clause no. 6.4.1 (Ref. Clause no. 8.9 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
983.		Outsole - Resistance to fuel oil	IS 15298 (Part 4):2024 Clause no. 6.4.2 (Ref. Clause no. 8.8.2.1 & 8.8.2.2 of ISO 20344:2021/EN 20344:2022/IS 15298 (Part 1):2024)
984.		Ladder grip - Mechanical properties	IS 15298 (Part 4):2024 Clause no. 6.4.3.1
985.		Ladder grip - Design	IS 15298 (Part 4):2024 Clause no. 6.4.3.2
986.		Ladder grip - Cleat height in the waist area	IS 15298 (Part 4):2024 Clause no. 6.4.3.3
987.		Ladder grip - Heel breast	IS 15298 (Part 4):2024 Clause no. 6.4.3.4



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
988.	Personal protective equipment — safety footwear	Marking	IS 15298 (Part 4):2024 Clause no. 7
989.	Polyurethane sole, semirigid/ polyurethane unit outsoles	Design	IS 13893:1994 with A1 & A2 Clause no. 4.1
990.		Thickness	IS 13893:1994 with A1 & A2 Clause no. 4.2 (Ref. IS 12240 (Part 1))
991.		Relative density	IS 13893:1994 with A1 & A2 Clause no. 4.3.1 Table 1 (i) (Ref. IS 12240 (Part 3))
992.		Hardness	IS 13893:1994 with A1 & A2 Clause no. 4.3.1 Table 1 (ii) (Ref. IS 12240 (Part 2))
993.		Tensile strength	IS 13893:1994 with A1 & A2 Clause no. 4.3.1 Table 1(iii) (Ref. IS 12240 (Part 6))
994.		Elongation at break	IS 13893:1994 with A1 & A2 Clause no. 4.3.1 Table 1(iv) (Ref. IS 12240 (Part 6))
995.		Abrasion resistance	IS 13893:1994 with A1 & A2 Clause no. 4.3.1 Table 1 (v) (Ref. Annex B of IS 13893)
996.		Flexural strength	IS 13893:1994 with A1 & A2 Clause no. 4.3.1 Table 1(vi) (Ref. IS 12240 (Part 7))
997.		Cut growth after 120000 cycles	IS 13893:1994 with A1 & A2 Clause no. 4.3.1 Table 1 (vii) (Ref. IS 12240 (Part 7))
998.		Ageing test	IS 13893:1994 with A1 & A2 Clause no. 4.3.2 (Ref. IS 3400 (Part 4))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
999.	Polyurethane sole, semirigid/ polyurethane unit outsoles	Thickness	IS 13893:1994 with A1 & A2 Clause no. 4.2 (Ref. IS 15298 (Part 1))
1000.		Relative density	IS 13893:1994 with A1 & A2 Clause no. 4.3.1 Table 1 (i) (Ref. Annex C- 1 of IS 10702)
1001.		Hardness	IS 13893:1994 with A1 & A2 Clause no. 4.3.1 Table 1 (ii) (Ref. IS 12240 (Part 2))
1002.		Abrasion resistance	IS 13893:1994 with A1 & A2 Clause no. 4.3.1 Table 1 (iii) (Ref. IS 3400 (Part 3))
1003.		Flexing resistance	IS 13893:1994 with A1 & A2 Clause no. 4.3.1 Table 1 (iv) (Ref. Annex D of IS 15844 (Part 1))
1004.		Hydrolysis resistance	IS 13893:1994 with A1 & A2 Clause no. 4.3.1 Table 1 (v) (Ref. IS 15298 (Part 1))
1005.		Tensile strength	IS 13893:1994 with A1 & A2 Clause no. 4.3.1 Table 1 (vi) (Ref. IS 3400 (Part 1))
1006.		Elongation at break	IS 13893:1994 with A1 & A2 Clause no. 4.3.1 Table 1 (vii) (Ref. IS 3400 (Part 1))
1007.		Tear strength	IS 13893:1994 with A1 & A2 Clause no. 4.3.1 Table 1 (vii) (Ref. Method A of IS 3400 (Part 12))
1008.	All Rubber Gum Boots and Ankle Boots- Part 1 Safety and Protective	Type, type and variety	IS 5557 (Part 1):2024 Clause no. 4.1
1009.		Variety, type and variety	IS 5557 (Part 1):2024 (Part 1) Clause no. 4.2



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
1010.		Design	IS 5557 (Part 1):2024 Clause no. 5 (Ref. fig. 1 & fig. 2 of IS 5557 (Part-2))
1011.		Size and fittings	IS 5557 (Part 1):2024 Clause no. 6 (Ref. Table 8 & 9 of IS 1638)
1012.		Construction	IS 5557 (Part 1):2024 Clause no. 7.1
1013.		Construction	IS 5557 (Part 1):2024 Clause no. 7.2
1014.		Construction, breaking strength	IS 5557 (Part 1):2024 Clause no. 7.3
1015.		Construction	IS 5557 (Part 1):2024 Clause no. 7.4
1016.		Lining material	IS 5557 (Part 1):2024 Clause no. 8.1
1017.		Width, Coated Binding Material	IS 5557 (Part 1):2024 Clause no. 8.2, & (i) of Table 1 (Ref. of IS 1954)
1018.		Breaking load, Coated Binding Material	IS 5557 (Part 1):2024 Clause no. 8.2, & (ii) of Table 1 (Ref. Annex B of IS 5557 (Part 2))
1019.	All Rubber Gum Boots and Ankle Boots- Part 1 Safety and Protective	Thread for Upper Closing, Sewing thread for piping/ binding, breaking load	IS 5557 (Part 1):2024 Clause no. 8.3, & (i) of Table 2 (Ref. 4.1 of IS 9543)
1020.		Use of Rubber	IS 5557 (Part 1):2024 Clause no. 8.4
1021.		Hardness, (IRHD)	IS 5557 (Part 1):2024 Clause no. 8.4.1 & (i) of Table 3 (Ref. of IS 3400 (Part-2))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
1022.	All Rubber Gum Boots and Ankle Boots- Part 1 Safety and Protective	Change in hardness after accelerated ageing	IS 5557 (Part 1):2024 Clause no. 8.4.1 & (ii) of Table 3 (Ref. of IS 3400 (Part-4))
1023.		Upper, material	IS 5557 (Part 1):2024 Clause no. 8.5
1024.		Upper, Abrasion test	IS 5557 (Part 1):2024 Clause no. 8.5 Ref. Clause no. 8.5.4 (Ref. of IS 15298 (Part-1))
1025.		Tensile Strength, Upper	IS 5557 (Part 1):2024 Clause no. 8.5.1 (Ref. of IS 15298 (Part-1))
1026.		Thickness, Upper	IS 5557 (Part 1):2024 Clause no. 8.5.2 (Ref. of IS 15298 (Part-1))
1027.		Flexing Resistance, Upper	IS 5557 (Part 1):2024 Clause no. 8.5.3 (Ref. of IS 15298 (Part-1))
1028.		Abrasion Resistance, Upper	IS 5557 (Part 1):2024 Clause no. 8.5.4 (Ref. of IS 15298 (Part-1))
1029.		Outsole, material	IS 5557 (Part 1):2024 Clause no. 8.6
1030.		Thickness, Outsole	IS 5557 (Part 1):2024 Clause no. 8.6.1 (Ref. of IS 15298 (Part-1))
1031.		Tear Strength, Outsole	IS 5557 (Part 1):2024 Clause no. 8.6.2 (Ref. of IS 15298 (Part-1))
1032.		Abrasion Resistance, Outsole	IS 5557 (Part 1):2024 Clause no. 8.6.3 (Ref. of IS 15298 (Part-1))
1033.		Flexing Resistance, Outsole	IS 5557 (Part 1):2024 Clause no. 8.6.4



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			(Ref. of IS 15298 (Part-1))
1034.		Spontaneous cracks, Outsole	IS 5557 (Part 1):2024 Clause no. 8.6.4.1
1035.		Inter layer Bond Strength	IS 5557 (Part 1):2024 Clause no. 8.6.5 (Ref. of IS 15298 (Part-1))
1036.		Insocks material	IS 5557 (Part 1):2024 Clause no. 8.7
1037.		Thickness Insock	IS 5557 (Part 1):2024 Clause no. 8.7.1
1038.		Abrasion Resistance Insock	IS 5557 (Part 1):2024 Clause no. 8.7.2 (Ref. of IS 15298 (Part-1))
1039.		Resistance to Hot Contact, Outsole/Heel	IS 5557 (Part 1):2024 Clause no. 8.8 & 8.8.1 (Ref. of IS 15298 (Part-1))
1040.		Leak Proof Test	IS 5557 (Part 1):2024 Clause no. 8.9 (Ref. of IS 15298 (Part-1))
1041.		Height of Upper	IS 5557 (Part 1):2024 Clause no. 8.10 (Ref. of IS 15298 (Part-1))
1042.	All Rubber Gum Boots and Ankle Boots- Part 1 Safety and Protective	Adhesion Test for Rubberized Textile Upper	IS 5557 (Part 1):2024 Clause no. 8.11 (Ref. of IS 3400 (Part-5))
1043.		Upper Outsole Bond Strength	IS 5557 (Part 1):2024 Clause no. 8.12 (Ref. of IS 15298 (Part-1))



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
1044.		Internal Length of Toe Cap	IS 5557 (Part 1):2024 Clause no. 8.13 (Ref. of IS 15298 (Part-1))
1045.		Impact Resistance of Safety Footwear	IS 5557 (Part 1):2024 Clause no. 8.14 (Ref. of IS 15298 (Part-1))
1046.		Compression Resistance of Safety Footwear	IS 5557 (Part 1):2024 Clause no. 8.15 (Ref. of IS 15298 (Part-1))
1047.		Slip Resistance	IS 5557 (Part 1):2024 Clause no. 8.17 (Ref. of IS 15298 (Part-1))
1048.		Corrosion Resistant Test for Toe Caps	IS 5557 (Part 1):2024 Clause no. 8.18 (Ref. of IS 15298 (Part-1))
1049.		Penetration Resistance	IS 5557 (Part 1):2024 Clause no. 9.1 (Ref. of IS 15298 (Part-1))
1050.		Antistatic Footwear	IS 5557 (Part 1):2024 Clause no. 9.2 (Ref. of IS 15298 (Part-1))
1051.		Flame Resistance Property	IS 5557 (Part 1):2024 Clause no. 9.3 (Ref. of IS 15758 (Part-4))
1052.		Electrical Resistance	IS 5557 (Part 1):2024 Clause no. 9.4 (Ref. of IS 15758 (Part-4))
1053.	All Rubber Gum Boots and Ankle Boots- Part 1 Safety and Protective	Resistance to Acid and Alkali	IS 5557 (Part 1):2024 Clause no. 9.5, (Ref. Annex D & Annex E of IS 5557 (Part 2))
1054.		Resistance to Fuel Oil	IS 5557 (Part 1):2024 Clause no. 9.6 (Ref. of IS 15298 (Part-1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
1055.		Finish of boots	IS 5557 (Part 1):2024 Clause no. 10
1056.	All Rubber Gum Boots and Ankle Boots- Part 2 Occupational Purposes	Type and variety	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 4
1057.		Design	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 5 (Ref. fig. 1 & fig. 2)
1058.		Size and fittings	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 6 (Ref. Table 8 & 9 of IS 1638)
1059.		Lining Material	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.1
1060.		Tear Strength, Lining	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.1.1 (Ref. Cl. no. 6.3 of IS 15298 (Part-1))
1061.		Abrasion Resistance, Lining	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.1.2 (Ref. Cl. no. 6.12 of IS 15298 (Part-1))
1062.		Width, Coated Binding Material	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.2, & (i) of Table 1 (Ref. of IS 1954)
1063.		Breaking load, Coated Binding Material	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.2, & (ii) of Table 1 (Ref. Annex B of IS 5557 (Part 2):2018 with A1 & A2)
1064.		Thread for Upper Closing,	IS 5557 (Part 2):2018 with A1 & A2



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
		Sewing thread for piping/binding- breaking load	Clause no. 7.3, & (i) of Table 2 (Ref. 4.1 of IS 9543)
1065.		Thread for Upper Closing, Sulphur dyes	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.3, (Ref. Annex C)
1066.		Use of Rubber	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.4
1067.		Hardness, (IRHD)	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.4.1 & (i) of Table 3 (Ref. of IS 3400 (Part-2))
1068.		Change in hardness after accelerated ageing	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.4.1 & (ii) of Table 3 (Ref. of IS 3400 (Part-4))
1069.		Upper, material	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.5
1070.		Tensile Strength, Upper	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.5.1 (Ref. Cl. 6.4.2 of IS 15298 (Part-1))
1071.		Thickness, Upper	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.5.2 (Ref. Cl. 5.4.2 of IS 15298 (Part-1))
1072.	All Rubber Gum Boots and Ankle Boots- Part 2 Occupational Purposes	Flexing Resistance, Upper	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.5.3 (Ref. Cl. 6.5.2 of IS 15298 (Part-1))



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
1073.		Outsole/Heel material	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.6
1074.		Thickness Outsole	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.6.1
1075.		Tear Strength Outsole	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.6.2 (Ref. Cl. 8.2 of IS 15298 (Part-1))
1076.		Abrasion Resistance Outsole	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.6.3 (Ref. Cl. 8.3 of IS 15298 (Part-1))
1077.		Flexing Resistance Outsole	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.6.4 (Ref. Cl. 8.4 of IS 15298 (Part-1))
1078.		Inter layer Bond Strength	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.6.5 (Ref. Cl. 5.2 of IS 15298 (Part-1))
1079.		Insocks material	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.7
1080.		Thickness, Insock	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.7.1
1081.	All Rubber Gum Boots and Ankle Boots- Part 2 Occupational Purposes	Abrasion Resistance Insock	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 7.7.2 (Ref. Cl. 6.12 of IS 15298 (Part-1))



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
1082.		Construction, general	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 8
1083.		Construction, breaking strength	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 8 & (i) of Table 2 (Ref. 4.1 of IS 9543)
1084.		Resistance to Hot Contact — Outsole/Heel and Upper	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 8.1 (Ref. Cl. 8.7 of IS 15298 (Part-1))
1085.		Leak Proof Test	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 8.2 (Ref. Cl. 5.7 of IS 15298 (Part-1))
1086.		Height of Upper	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 8.3 (Ref. Cl. 6.2 of IS 15298 (Part-1))
1087.		Adhesion Test for Rubberized Textile Upper	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 8.4 (Ref. of IS 3400 (Part-5))
1088.		Resistance to Acid and Alkali	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 8.5, (Ref. Annex D & Annex E)
1089.		Resistance to Fuel Oil	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 8.6 (Ref. Cl. 8.6 of IS 15298 (Part-1))
1090.	All Rubber Gum Boots and Ankle Boots- Part 2 Occupational Purposes	Antistatic Footwear	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 8.7.1 (Ref. Cl. 5.10 of IS 15298 (Part-1))

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
1091.	Toe caps (metallic)	Conductive Footwear	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 8.7.2 (Ref. Cl. 5.10 of IS 15298 (Part-1))
1092.		Electrically Insulating Footwear	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 8.7.3 (Ref. Annex H of IS 5557 (Part-2))
1093.		Resistance to Cold	IS 5557 (Part 2):2018 with A1 & A2 Clause no. 8.7.4(Ref. Cl. 5.13 of IS 15298 (Part-1))
1094.		Finishing	IS 5852 (Part-1):2019 Clause no. 4.1
1095.		Internal Length	IS 5852 (Part-1):2019 Clause no. 4.2.1 & Table-1, Annex A
1096.		Width of Flange	IS 5852 (Part-1):2019 Clause no. 4.2.2, Annex B
1097.		Impact Resistance	IS 5852 (Part-1):2019 Clause no. 4.3 & Table-2, Annex C
1098.	Toe caps (non-metallic)	Compression Resistance	IS 5852 (Part-1):2019 Clause no. 4.4 & Table-2, Annex D
1099.		Corrosion Resistance	IS 5852 (Part-1):2019 Clause no. 4.5 & Annex E
1100.		General	IS 5852 (Part-2):2019 Clause no. 4.1 (Ref. ISO 5725-2, ISO/IEC Guide 98-3, ISO/IEC Guide 98-4, JCGM 100:2008)
1101.	Toe caps (non-metallic)	Finishing	IS 5852 (Part-2):2019 Clause no. 4.2



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
1102.		Internal Length	IS 5852 (Part-2):2019 Clause no. 4.3.1 & Table-2
1103.		Width of Flange	IS 5852 (Part-2):2019 Clause no. 4.3.2
1104.		Impact Resistance	IS 5852 (Part-2):2019 Clause no. 4.4 & Table-3
1105.		Compression Resistance	IS 5852 (Part-2):2019 Clause no. 4.5 & Table-3
1106.		Stability against ageing and environmental influence	IS 5852 (Part-2):2019 Clause no. 4.6 & Table-3
1107.		Bata belt flexing	SATRA TM 133, IS 8085 (Part 4): 2019, ISO 16177: 2017
1108.	Footwear and Raw Material	Tearing strength	ASCIS method, SATRA TM 65 (Split tear strength), SATRA TM30 (trouser leg method), IS 7016 (Part 3/Sec 1): 2017, ISO 4647-1: 2016, IS 8085 (Part 9), ISO 17696: 2004
1109.		Whole shoe cushioning	SATRA TM 183, WTM 183
1110.		Specific gravity / Density	ASCIS method, IS 3400 (Part 9): 2020, ISO 2781: 2018, SATRA TM68, IS 5914 (Part 4), ISO 2420: 2017
1111.	Footwear and Raw Material	Rebound Resilience	ASTM D 3574, ISO 8307, ST-08
1112.		Slip Resistance	IS 15298 Part 2:2024, IS 15298 Part 3:2024, IS 15298 Part 4:2024, IS 6721:2023, IS 17043 part 2:2024, IS



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
			15844 PART 1:2023, SATRA TM 144
1113.		Bally Flexing Resistance	SATRA TM 55, IS 8085part 20, ISO 17694:2016
1114.		Bennewart Test	SATRA TM 161, ISO 17707:2005
1115.		Bond Strength	S: 15298 (PART-1), IS 15844 (PART-2):2023
1116.		Compression set	EN ISO 20344, EN ISO 20347, EN ISO 20345, IS 15298, ST 09/ ASTM D 3574
1117.		Bursting test	ASTMD 2210, IS 15844 Part 1
1118.		Hardness	ISO 7619, ASTM D 2240, SATRA TM 205, SATRA TM 206, GE-09 (Shore A)
1119.		Ageing Test	EN 12749:1999, SATRA TM 361, EN ISO 17228
1120.		Antistatic	IS 15298 PART-2:2016, ISO 20344
1121.		Breaking Strength	SATRA TM 94
1122.		Elongation	SATRA TM 94
1123.		Flexing Resistance	Method 11C of BS 3424 part-9, BS EN ISO:7854 (Method A)
1124.		De-Mattia flexing	SCT-01
1125.	Footwear and Raw Material	Discoloration Test	SATRA TM 344
1126.		Blooming Test	ISO: 20344:2021
1127.		Impact Resistance	SATRA TM 137



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather and Leather Products		
1128.		Tensile Strength	SATRA TM 43
1129.		Whole Shoe Flexing	SATRA TM 92
1130.		Stitch Tear	DIN 54301
1131.		Abrasion resistance	SATRA TM 174, ISO 4649, ISO 3400 (Part-3)
1132.		Thickness	SATRA TM 1
1133.		First Dry collapsing Load	SATRA TM 83
1134.		Ross Flexing Resistance	SATRA TM 60
1135.		Die – C Tear Strength	ASTM D 624
1136.		Vamp Flexing	ISO 5402-2:2015, SATRA TM 25
1137.		Shrinkage Test	SATRA TM 70, 10702: 2023
1138.		water vapour permeability	SATRA TM47
1139.		Water vapour absorption	SATRA TM47
1140.		Water vapour permeability	SATRA TM23, SATRA TM172
1141.		Water vapour absorption	SATRA TM178
1142.		Abrasion resistance (Martindale)	ISO 8085 (Part 6), ISO 17704



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
1.	Footwear and footwear material	2,3,4,5-Tetrachlorophenol	ISO 17070 :2015
2.		2,3,4,5-Tetrachlorophenol	IS 14575 :2024
3.		2,3,4,5-Tetrachlorophenol	IS 17011:2018
4.		2,3,4,6-Tetrachlorophenol	IS 14575 :2024
5.		2,3,4,6-Tetrachlorophenol	IS 17011:2018
6.		2,3,4,6-Tetrachlorophenol	ISO 17070 :2015
7.		2,3,4-Trichlorophenol	IS 14575 :2024
8.		2,3,4-Trichlorophenol	IS 17011:2018
9.		2,3,4-Trichlorophenol	ISO 17070 :2015
10.		2,3,5,6-Tetrachlorophenol	IS 14575: 2024
11.		2,3,5,6-Tetrachlorophenol	IS 17011:2018
12.		2,3,5,6-Tetrachlorophenol	ISO 17070 :2015
13.		2,3,5-Trichlorophenol	IS 14575: 2024
14.		2,3,5-Trichlorophenol	IS 17011:2018
15.		2,3,5-Trichlorophenol	ISO 17070: 2015
16.		2,3,6 Trichlorophenol	IS 14575: 2024
17.		2,3,6 Trichlorophenol	IS 17011:2018



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
18.	Footwear and footwear material	2,3,6 Trichlorophenol	ISO 17070: 2015
19.		2,4- Xylidine	IS 17011:2018
20.		2,4- Xylidine	IS 582 part-5 Sec-1 :2024
21.		2,4- Xylidine	ISO17234 1:2020
22.		2,4,5 Trichlorophenol	IS 14575: 2024
23.		2,4,5 Trichlorophenol	IS 17011:2018
24.		2,4,5 Trichlorophenol	ISO 17070: 2015
25.		2,4,5 trimethylaniline	IS 17011:2018
26.		2,4,5 trimethylaniline	IS 582 part-5 Sec-1 :2024
27.		2,4,5 trimethylaniline	ISO17234 1:2020
28.		2,4,6 Trichlorophenol	IS 14575 : 2024
29.		2,4,6 Trichlorophenol	IS 17011:2018: 2018
30.		2,4,6 Trichlorophenol	ISO 17070 : 2015
31.		2,4 diaminoanisole	IS 17011:2018
32.		2,4 diaminoanisole	IS 582 part-5 Sec-1 :2024
33.		2,4 diaminoanisole	ISO 17234 1:2020
34.		2,4 toluenediamine	IS 17011:2018



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
35.	Footwear and footwear material	2,4 toluenediamine	IS 582 part-5 Sec-1 :2024
36.		2,4 toluenediamine	ISO 17234 1:2020
37.		2,6- Xylidine	IS 17011:2018
38.		2,6- Xylidine	IS 582 part-5 Sec-1 :2024
39.		2,6- Xylidine	ISO 17234 1:2020
40.		2-amino-4 nitroluene	IS 17011:2018
41.		2-amino-4 nitroluene	IS 582 part-5 Sec-1 :2024
42.		2-amino-4 nitroluene	ISO 17234 1:2020
43.		2 methoxyaniline	IS 17011:2018
44.		2 methoxyaniline	IS 582 part-5 Sec-1 :2024
45.		2 methoxyaniline	ISO 17234 1:2020
46.		2 naphthylamine	IS 17011:2018
47.		2 naphthylamine	IS 582 part-5 Sec-1 :2024
48.		2 naphthylamine	ISO 17234 1:2020
49.		3,3 dichlorobenzidine	IS 17011:2018
50.		3,3 dichlorobenzidine	IS 582 part-5 Sec-1 :2024
51.		3,3 dichlorobenzidine	ISO 17234 1:2020



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
52.	Footwear and footwear material	3,3-dimethyl 4,4 diaminophenylmethane	IS 17011:2018
53.		3,3-dimethyl 4,4 diaminophenylmethane	IS 582 part-5 Sec-1 :2024
54.		3,3-dimethyl 4,4 diaminophenylmethane	ISO 17234 1:2020
55.		3,3dimethylbenzidine	IS 17011:2018
56.		3,3dimethylbenzidine	IS 582 part-5 Sec-1 :2024
57.		3,3dimethylbenzidine	ISO 17234 1:2020
58.		3,4,5 Trichlorophenol	IS 14575 : 2024
59.		3,4,5 Trichlorophenol	IS 17011:2018
60.		3,4,5 Trichlorophenol	ISO 17070 : 2015
61.		4,4,methylenbis (2 chloraniline)	IS 17011:2018: 2018
62.		4,4,methylenbis (2 chloraniline)	IS 582 part-5 Sec-1 :2024
63.		4,4,methylenbis (2 chloraniline)	ISO17234 1:2020
64.		4,4 Diaminodiphenylmethane	IS 17011:2018
65.		4,4 Diaminodiphenylmethane	IS 582 part-5 Sec-1 :2024



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
66.	Footwear and footwear material	4,4 Diaminodiphenylmethane	ISO 17234 1:2020
67.		4,4-oxidianiline	IS 17011:2018
68.		4,4-oxidianiline	IS 582 part-5 Sec-1 :2024
69.		4,4-oxidianiline	ISO 17234 1:2020
70.		4,4-thiodianiline	IS 17011:2018
71.		4,4-thiodianiline	IS 582 part-5 Sec-1 :2024
72.		4,4-thiodianiline	ISO 17234 1:2020
73.		4-aminoazobenzene	IS 17011:2018
74.		4-aminoazobenzene	IS 582 part-5 Sec-2 :2024
75.		4-aminoazobenzene	ISO 17234 2:2022
76.		4-aminobiphenyl	IS 17011:2018: 2018
77.		4-aminobiphenyl	IS 582 part-5 Sec-2 :2024
78.		4-aminobiphenyl	ISO 17234 2:2022
79.		4-chloro-toluidine	IS 17011:2018
80.		4-chloro-toluidine	IS 582 part-5 Sec-2 :2024
81.		4-chloro-toluidine	ISO 17234 2:2022
82.		Benzidine	IS 17011:2018



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
83.	Footwear and footwear material	Benzidine	IS 582 part-5 Sec-2 :2024
84.		Butylbenzylphthalate	IS 16915:2018
85.		Butylbenzylphthalate	IS 17011:2018
86.		Butylbenzylphthalate	ISO/TS 16181: 2011
87.		Chromium (VI) Content	IS 16259:2014 (RA:2019)
88.		Chromium (VI) Content	IS 17011:2018
89.		Chromium (VI) Content	IS 582(P-11, Sec 1):2022
90.		Chromium (VI) Content	ISO 17075 P 1:2017
91.		Di-(2 ethylhexyl) phthalate	IS 16915:2018
92.		Di-(2 ethylhexyl) phthalate	IS 17011:2018
93.		Di-(2 ethylhexyl) phthalate	ISO/TS 16181 : 2011
94.		Dibutylphthalate	IS 16915:2018
95.		Dibutylphthalate	IS 17011:2018
96.		Dibutylphthalate	ISO/TS 16181 : 2011
97.		Dibutyltin	IS 16981:2018
98.		Dibutyltin	IS 17011:2018
99.		Dibutyltin	IS 17808 (P-1): 2022



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
100.	Footwear and footwear material	Dibutyltin	ISO/TS 16179 : 2012
101.		Dibutyltin dichloride	IS 16981:2018
102.		Dibutyltin dichloride	IS 17011:2018
103.		Dibutyltin dichloride	IS 17808 (P-1): 2022
104.		Dibutyltin dichloride	ISO/TS 16179: 2012
105.		Di-isobutyl phthalate	IS 16915:2018
106.		Di-isobutyl phthalate	IS 17011:2018
107.		Di-isobutyl phthalate	ISO/TS 16181: 2011
108.		Di-iso decylphthalate	IS 16915:2018
109.		Di-iso decylphthalate	IS 17011:2018
110.		Di-iso decylphthalate	ISO/TS 16181: 2011
111.		Di-iso nonylphthalate	IS 16915:2018
112.		Di-iso nonylphthalate	IS 17011:2018
113.		Di-iso nonylphthalate	ISO/TS 16181 : 2011
114.		Dimethyl fumarate	IS 16991:2018
115.		Dimethyl fumarate	IS 17011:2018
116.		Dimethyl fumarate	ISO/TS 16186 : 2012
117.		Di-n octylphthalate	IS 16915:2018



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
118.	Footwear and footwear material	Di-n octylphthalate	IS 17011:2018
119.		Di-n octylphthalate	ISO/TS 16181: 2011
120.		Diocetyltn	IS 16981:2018: 2018
121.		Diocetyltn	IS 17011:2018
122.		Diocetyltn	IS 17808 (P-1): 2022
123.		Diocetyltn	ISO/TS 16179: 2012
124.		Formaldehyde	IS 16297 1:2022
125.		Formaldehyde	IS 17011:2018
126.		Formaldehyde	ISO 17226 2:2018
127.		Monobutyltn	IS 16981:2018: 2018
128.		Monobutyltn	IS 17011:2018
129.		Monobutyltn	IS 17808 (P-1): 2022
130.		Monobutyltn	ISO/TS 16179 : 2012
131.		Monocetyltn	IS 16981:2018
132.		Monocetyltn	IS 17011:2018
133.		Monocetyltn	IS 17808 (P-1): 2022
134.		Monocetyltn	ISO/TS 16179 : 2012



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
135.	Other (Footwear and footwear material)	Nickel Release	EN 12472 2021
136.		Nickel Release	EN-1811-2023
137.		Nickel Release	IS 17011:2018
138.		o-aminoazotoluene	IS 17011:2018
139.		o-aminoazotoluene	IS 582 part-5 Sec-2 :2018
140.		o-toluidine	IS 17011:2018
141.		o-toluidine	IS 582 part-5 Sec-2 :2018
142.		p-chloroaniline	IS 17011:2018
143.		p-chloroaniline	IS 582 part-5 Sec-2 :2018
144.		p-cresidine	IS 17011:2018
145.		p-cresidine	IS 582 part-5 Sec-2 :2018
146.		Pentachlorophenols	IS 14575: 2024
147.		Pentachlorophenols	IS 17011:2018
148.		Pentachlorophenols	ISO 17070: 2015
149.		Tributyltin	IS 16981:2018
150.		Tributyltin	IS 17011:2018
151.		Tributyltin	IS 17808 (P-1): 2022



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
152.	Footwear and footwear material	Tributyltin	ISO/TS 16179 : 2012
153.		Triphenyltin	IS 16981:2018
154.		Triphenyltin	IS 17011:2018
155.		Triphenyltin	IS 17808 (P-1): 2022
156.		Triphenyltin	ISO/TS 16179: 2012
157.		Lead Content	IS 12240 (Part 5):2018
158.		2,4- Xylidine	IS 15570: 2005 RA-2020
159.		2,4- Xylidine	IS 17011:2018
160.		2,4- Xylidine	ISO14362-1:2017
161.	Textile and Textile material	2,4,5 trimethylaniline	IS 15570: 2005 RA-2020
162.		2,4,5 trimethylaniline	IS 17011:2018
163.		2,4,5 trimethylaniline	ISO14362-1:2017
164.		2,4 diaminoanisole	IS 15570: 2005 RA-2020
165.		2,4 diaminoanisole	IS 17011:2018
166.		2,4 diaminoanisole	ISO14362-1:2017
167.		2,4 toluenediamine	IS 15570: 2005 RA-2020
168.		2,4 toluenediamine	IS 17011:2018
169.		2,4 toluenediamine	ISO14362-1:2017



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
170.	Textile and Textile material	2,6- Xylidine	IS 15570 : 2005 RA-2020
171.		2,6- Xylidine	IS 17011:2018
172.		2,6- Xylidine	ISO14362-1:2017
173.		2-amino-4 nitroluene	IS 15570 : 2005 RA-2020
174.		2-amino-4 nitroluene	IS 17011:2018
175.		2-amino-4 nitroluene	ISO14362-1:2017
176.		2-methoxyaniline	IS 15570 : 2005 RA-2020
177.		2-methoxyaniline	IS 17011:2018
178.		2-methoxyaniline	ISO14362-1:2017
179.		2-naphthylamine	IS 15570 : 2005 RA-2020
180.		2-naphthylamine	IS 17011:2018
181.		2-naphthylamine	ISO14362-1:2017
182.		3,3 dichlorobenzidine	IS 15570 : 2005 RA-2020
183.		3,3 dichlorobenzidine	IS 17011:2018
184.		3,3 dichlorobenzidine	ISO14362-1:2017
185.		3,3-dimethyl 4,4 diaminophenylmethane	IS 15570 : 2005 RA-2020



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
186.	Textile and Textile material	3,3-dimethyl 4,4 diaminophenylmethane	IS 17011:2018
187.		3,3-dimethyl 4,4 diaminophenylmethane	ISO14362-1:2017
188.		3,3dimethylbenzidine	IS 15570: 2005 RA-2020
189.		3,3dimethylbenzidine	IS 17011:2018
190.		3,3dimethylbenzidine	ISO14362-1:2017
191.		4,4,methylenbis (2 chloraniline)	IS 15570: 2005 RA-2020
192.		4,4,methylenbis (2 chloraniline)	IS 17011:2018
193.		4,4,methylenbis (2 chloraniline)	ISO14362-1:2017
194.		4,4 Diaminodiphenylmethane	IS 15570 : 2005 RA-2020
195.		4,4 Diaminodiphenylmethane	IS 17011:2018
196.		4,4 Diaminodiphenylmethane	ISO14362-1:2017
197.		4,4-oxidianiline	IS 15570 : 2005 RA-2020
198.		4,4-oxidianiline	IS 17011:2018
199.		4,4-oxidianiline	ISO14362-1:2017
200.		4,4-thiodianline	IS 15570 : 2005 RA-2020



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
201.	Textile and Textile material	4,4-thiodianline	IS 17011:2018
202.		4,4-thiodianline	ISO14362-1:2017
203.		4-aminoazobenzene	IS 15570 : 2005 RA-2020
204.		4-aminoazobenzene	IS 17011:2018
205.		4-aminoazobenzene	ISO14362-1:2017
206.		4-aminobiphenyl	IS 15570 : 2005 RA-2020
207.		4-aminobiphenyl	IS 17011:2018
208.		4-aminobiphenyl	ISO14362-1:2017
209.		4-chloro toluidine	IS 15570 : 2005 RA-2020
210.		4-chloro toluidine	IS 17011:2018
211.		4-chloro toluidine	ISO14362-1:2017
212.		Basic Red 9	IS 16914-2: 2018
213.		Benzidine	IS 15570 : 2005 RA-2020
214.		Benzidine	IS 17011:2018
215.		Benzidine	ISO14362-1:2017
216.		Dibutyltin	IS 17011:2018
217.		Dibutyltin	IS 17808 (P-1): 2022



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
218.	Textile and Textile material	Dibutyltin	ISO 22744-1 : 2020
219.		Dibutyltin dichloride	IS 17011:2018
220.		Dibutyltin dichloride	IS 17808 (P-1): 2022
221.		Dibutyltin dichloride	ISO 22744-1 : 2020
222.		Diocetyltn	IS 17011:2018
223.		Diocetyltn	IS 17808 (P-1): 2022
224.		Diocetyltn	ISO 22744-1 : 2020
225.		Disperse blue 1	IS 16914-2: 2018
226.		Disperse blue 102	IS 16914-2: 2018
227.		Disperse blue 106	IS 16914-2: 2018
228.		Disperse blue 124	IS 16914-2: 2018
229.		Disperse blue 26	IS 16914-2: 2018
230.		Disperse blue 3	IS 16914-2: 2018
231.		Disperse blue 35	IS 16914-2: 2018
232.		Disperse blue 7	IS 16914-2: 2018
233.		Disperse brown 1	IS 16914-2: 2018
234.		Disperse orange 1	IS 16914-2: 2018



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
235.	Textile and Textile material	Disperse orange 3	IS 16914-2: 2018
236.		Disperse orange 37/59/76	IS 16914-2: 2018
237.		Disperse red 1	IS 16914-2: 2018
238.		Disperse red 11	IS 16914-2: 2018
239.		Disperse red 151	IS 16914-2: 2018
240.		Disperse red 17	IS 16914-2: 2018
241.		Disperse yellow 1	IS 16914-2: 2018
242.		Disperse yellow 23	IS 16914-2: 2018
243.		Disperse yellow 3	IS 16914-2: 2018
244.		Disperse yellow 39	IS 16914-2: 2018
245.		Disperse yellow 49	IS 16914-2: 2018
246.		Disperse yellow 56	IS 16914-2: 2018
247.		Disperse yellow 7	IS 16914-2: 2018
248.		Disperse yellow 9	IS 16914-2: 2018
249.		Formaldehyde	IS 14563 -1 :2021
250.		Formaldehyde	IS 17011:2018
251.		Formaldehyde	ISO 14184-1:2011



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
252.	Textile and Textile material	Monobutyltin	IS 17011:2018
253.		Monobutyltin	IS 17808 (P-1): 2022: 2022
254.		Monobutyltin	ISO 22744-1 : 2020
255.		Monooctyltin	IS 17011:2018
256.		Monooctyltin	IS 17808 (P-1): 2022: 2022
257.		Monooctyltin	ISO 22744-1 : 2020
258.		Navy blue	IS 16914-2: 2018: 2018
259.		o-aminoazotoluene	IS 15570 : 2005 RA-2020
260.		o-aminoazotoluene	IS 17011:2018
261.		o-aminoazotoluene	ISO14362-1:2017
262.		o-toluidine	IS 15570 : 2005 RA-2020-
263.		o-toluidine	IS 17011:2018
264.		o-toluidine	ISO14362 1:2017
265.		p-chloroaniline	IS 15570 : 2005 RA-2020
266.		p-chloroaniline	IS 17011:2018
267.		p-chloroaniline	ISO14362-1:2017
268.		p-cresidine	IS 15570 : 2005 RA-2020



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
269.	Textile and Textile material	p-cresidine	IS 17011:2018
270.		p-cresidine	ISO14362-1:2017
271.		Solvent red 23	IS 16914-2: 2018
272.		Tributyltin	IS 17011:2018
273.		Tributyltin	IS 17808 (P-1): 2022
274.		Tributyltin	ISO 22744-1 : 2020
275.		Triphenyltin	IS 17011:2018
276.		Triphenyltin	IS 17808 (P-1): 2022
277.		Triphenyltin	ISO 22744-1 : 2020
278.		Violet 3	IS 16914-2: 2018



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather		
1.	Leather and Leather products	Bound organic substances and Degree of Tannage	IS 582:1970 RA-2019 LC 21: 1970
2.		Color Fastness to artificial light	IS 15844 (" {LF:4 of 6191,IS/ISO 105-B02:2014}Cl.3.4"),RA: 2022: 2010
3.		Color Fastness to Crocking	IS 15844 ("IS 15844:2010 { LP:10 of 6191,} Cl.3.4 ")RA:2022: 2010
4.		Color fastness to dry rubbing	IS 6191:1971 (LF - 9) RA 2014:1971
5.		Color fastness to light	IS/ISO 105B02: 2014: 2014
6.		Color fastness to light of Binding Material	IS 3736 (CI 4.I.3.I (IS/ISO 105 - B 01:2014, IS 686:1985 & IS 2454:1 9 8 5):1995 (Amd. no 1,2,3,4): 1995
7.		Color fastness to light of Thread for upper closing	IS 3736(CI4.I.5.2 (IS/ISO 105-B01: 2014):1995 (Amd. no 1,2,3,4): 1995
8.		Color Fastness to Light of Threads	IS 11226 (CI 5.2.5 (IS 1720:1978): 1993
9.		Color Fastness to Light of Upper	IS 3736 (CI4.I.2 (IS /ISO 105-B01: 2014):1995 (Amd. no 1,2,3,4): 1995
10.		Color fastness to perspiration	IS /ISO 105 E 04: 2008: 2008
11.		Color fastness to perspiration of thread for upper closing	IS 3736(CI4.I.5.2 (IS/ISO 105-B01: 2014):1995 (Amd. no 1,2,3,4): 199
12.		Color fastness to perspiration of thread for upper closing	IS 3736(CI4.I.5.2 (IS/ISO 105E04: 2008):1995 (Amd. no 1,2,3,4): 199



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	Leather		
13.	Leather and Leather products	Color fastness to Perspiration of thread	IS 11226 Cl 5.2.5 (IS 1720:1978): 1993
14.		Color Fastness to Rubbing	IS 15844 (IS /ISO 105 Part X12:2001) Cl.3.4, RA : 2022: 2010
15.		Color fastness to Washing of threads	IS 11226 Cl 5.2.5 (IS 1720:1978): 1993
16.		Color Fastness To Wet Rubbing	IS 6191:197 1 (L F - 9) RA 2014: 1971
17.		Color Fastness	IS 3736 (Cl 4.1.1.1 (Ref. Of IS 686:1985 & IS 2454: 1985)):1995 (Am d. no 1,2,3,4): 1995
18.		Color Fastness of Lace	IS 14544:2022 clause 6.1 5.2 (Ref. IS/ISO 105- E01): 202
19.		Colour fastness rubbing (To and fro) of upper	Amd. No 1 of IS 15844: PART 1 :2023 clause no. 4.4 & table 2 (ref. IS 6191 (Part 4)): 202
20.		Colour fastness rubbing (crocking)	IS 17043 (PART 2) Clause 6.2 & Ta ble 6 S. N o. (iii) (Ref IS/ISO 105 X12): 202
21.		Colour fastness rubbing (To and fro) of upper	IS 15844 (PART 3) Clause 7.2 & Ta ble 2 (Ref. IS 6191 (Part 4)/ISO 11640 :2012): 2024
22.		Colour fastness rubbing (To and fro) of upper	IS 1 5 844: PART 2 Cla u s e 7.2 & Ta ble 2 (Ref.IS 6 1 9 1 (Part 4)/IS O 1 1 64 0 :2012): 2023



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather		
23.	Leather and Leather products	Colour fastness to finished leather of lining	IS 1 1 2 2 6 (CI 5.2.4(IS 3 84 0: 1996): 1993
24.		Colour fastness to light, of upper	IS 1 5 844: PART 2 Clause 7.2 & Table 3 (Ref .IS/ISO 105- B02): 2024
25.		Colour Fastness to mechanical washing (mild)	IS 3 7 3 5 With A1, A2, A3, A4 Clause no. 4.1.1.2 (Ref. of IS 764:1979): 1996
26.		Colour fastness to perspiration	IS 1704 3 (Part 2) Cla u s e 6.2 & Table 6 S. No. (iv) (Ref IS 6191 (Part 6)): 2024
27.		Colour fastness to perspiration	IS 17861:2024Clause 5.1 1.2 (Ref.IS /ISO 105 - E 04): 2 0 2 2
28.		Colour fastness to perspiration (contact method) of lining	A m d. N o 1 of IS 15844: PART 1 :2023clause no. 4.5 & table 4 (ref IS 6191/ISO 11641): 2023
29.		Colour fastness to perspiration (contact method) of lining	IS 15844 (PART 3) Clause 7.3 & Table 4 (Ref .IS 6191 (Part - 6)/ISO 11641) :2024
30.		Colour fastness to perspiration (contact method) of lining	IS 15844: PART 2: 2023 Clause 7.3 & Table 4 (Ref .ISO 11641): 2023
31.		Colour Fastness to Perspiration for Threads of Upper Closing	IS 3735 With A 1, A2, A3, A4 Cla u s e n o. 4.1.3.2 (Ref. of IS 971:1966): 1996
32.		Colour fastness to perspiration of lining	IS 11226 (CI 5.2.4(IS 3840:1996): 1993



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather		
33.	Leather and Leather products	Colour fastness to rubbing	IS 17043 (PART 2) Clause 6.1.1 & Table 2 S. No. (iii) (Ref ISO 11640: 2012): 2024
34.		Colour fastness to rubbing (crocking), of lining	IS 15844 (Part 3) Clause 7.3 & Table 4 (Ref. IS/ISO 105- X12): 2024
35.		Colour fastness to rubbing (crocking), of lining	IS 15844: PART 2: 2023 Clause 7.3 & Table 4 (Ref IS/ISO 105- X12): 20
36.		Colour fastness to rubbing (crocking)of lining	Am d. No 1 of IS 15844: PART 1 :2023clause no. 4.5 & table 4 (refl/ISO 105-X12),: 2023
37.		Colour fastness to rubbing crocking of upper	IS 11226 (Cl 5.2.1(IS 5 6 7 7:19 8 6): 1993
38.		Colour Fastness to washing	IS 17861:2024Clause 5.1 0.2 (Ref.IS /ISO 105 - C10): 2 0 2 2
39.		Colour Fastness to washing	IS 17861:2024Clause 5.1 1.2 (Ref.IS /IS O 1 0 5 - C 1 0): 2 0 2 2
40.		Colour Fastness to washing	IS 17861:2024Clause 5.1 8.2 (Ref. IS/ISO 105- C10): 2022
41.		Colour Fastness to washing	IS 17861:2024Clause 5.7.4 (Ref. IS/ISO 105 - C 1 0,): 2 0 2 2
42.		Colour Fastness to Washing For Threads of Upper Closing	IS 3735 With A1,A2,A3,A4 Clause no. 4.1.3.2 (Ref. of IS 765:1979): 1996
43.		Colour fastness to water	IS 17043 (PART 2) Clause 6.1.1 & Table 2 S. No. (iv) (Ref ISO 11642: 2024)



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather		
44.	Leather and Leather products	Colour fastness to water (for face) (Contact method)	Amd. No 1 of IS 15844: P A R T 1 clause no. 4.13 & table 1 2 (Ref. IS 6191 (Part 2) or IS/ISO 105- E01): 2023
45.		Colour fastness to water (for face) (Contact method)	IS 15844 (PART 3) Clause 7.1 1 & Table 12 (Ref IS 6191 (Part 2)/ISO 11642 :2012): 2024
46.		Colour fastness to water (for face) (Contact method)	IS 15844: PART 2:2023 Clause 7.1 1 & Table 1 2 (Ref IS 6191 (Part 2)/ISO 11642 :2012): 2024
47.		Colour fastness to water (for face) (Contact method)	IS 17043 (PART 2) Clause 6.1 0 & Table 1 7 S. N o. (iii) (Ref IS 6191 (Part 2)): 2024
48.		Daylight and Mechanical Washing Colour Fastness	IS 3735 With A1, A2, A3, A4 Clause no. 4.1.1.1 (Ref. of IS 686:1985 & IS 2454:1985): 1996
49.		Determination of chromic oxide content by titration	IS 582(P-10, Sec 1):2022: 2022
50.		Determination of matter soluble in DCM and FFA content	IS 582(P14):2022: 2022
51.		Determination of nitrogen content and hide substance Titrimetric method	IS 582(P12):2022: 2022
52.		pH	IS 582(P9):2022: 2022



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Leather		
53.	Leather and Leather products	pH	IS 1390: 2022
54.		Sulphated Total ash and water insoluble ash	IS 582(P3):2017: 2017
55.		Volatile matter	IS 582(P1):2017: 2017
56.		Volatility	IS 12254 :2021 (Ref IS 12240 Part4): 2021
57.		Water soluble matter, water soluble inorganic matter and water-soluble organic matter	IS 582(P2):2024: 2024



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Photometry Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Light Sources (Electric Lamp)		
1.	Solid State Lighting (LED) Products	Electrical Test Conditions	ANSI/IES LM-79-19 (Clause 5.0)
2.		Test Preparation	ANSI/IES LM-79-19 (Clause 6.0)
3.		Total Luminous Flux and Integrated Optical Measurements	ANSI/IES LM-79-19 (Clause 7.0)
4.		Total Luminous Flux	ANSI/IES LM-79-19 (Clause 7.2)
5.		Luminous Intensity or Optical Angular Distribution Measurement	ANSI/IES LM-79-19 (Clause 8.0)
6.		Luminous Intensity	ANSI/IES LM-79-19 (Clause 5.0)
7.		Chromaticity Uniformity Measurements	ANSI/IES LM-79-19 (Clause 9.0)
8.		General	ANSI/IES LM-79-19 (Clause 9.1)
9.		Angular Resolution	ANSI/IES LM-79-19 (Clause 9.2)
10.		Angular Range	ANSI/IES LM-79-19 (Clause 9.3)
11.		Angular Color Uniformity	ANSI/IES LM-79-19 (Clause 9.4)
12.		Signal Limit and Verification	ANSI/IES LM-79-19 (Clause 9.5)
13.		General	ANSI/IES LM-79-19 (Clause 5.0)
14.		Integrating Sphere Systems	ANSI/IES LM-79-19 (Clause 7.2)



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Photometry Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Light Sources (Electric Lamp)		
15.	Solid State Lighting (LED) Products	Angular Integration Systems	ANSI/IES LM-79-19 (Clause 7.3)
16.		General	ANSI/IES LM-79-19 (Clause 5.0)
17.		Photometer and Spectroradiometer Characteristics	ANSI/IES LM-79-19 (Cl. 7.2.2)
18.		Angular Scanning Resolution	ANSI/IES LM-79-19 (Cl. 7.3.3)
19.		Angular Range	ANSI/IES LM-79-19 (Cl.9.3)
20.		Photometer and Spectroradiometer Characteristics	ANSI/IES LM-79-19 (Cl. 8.2)
21.		Test Distance	ANSI/IES LM-79-19 (Cl.8.3)
22.		Goniometer Alignment	ANSI/IES LM-79-19 (Cl. 8.4)
23.	Self-Ballasted Led Lamps for General Lighting Services Part 2 Performance Requirements	Colour Variation Categories	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612 : 2013 (Cl. 10.1)
24.		Colour Rendering Index (CRI)	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612 : 2013 (Cl. 10.2)
25.		Beam Angle Value	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612: 2013 (Cl. 9.2.5)



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Photometry Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Light Sources (Electric Lamp)		
26.		Luminous flux	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612: 2013 (Cl. 9.1)
27.	Self-Ballasted Led Lamps for General Lighting Services Part 2 Performance Requirements	Luminous Intensity Distribution	IS 16102 (Part 2): 2017 +A1: 2020 IEC 62612 : 2013 (Cl. 9.2.3)
28.		Peak Intensity	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612 : 2013 (Cl. 9.2.4)
29.		Power Factor	IS 16102 (Part 2) : 2017 +A1: 2020 IEC 62612: 2013 (Cl. 8.2)
30.	LED Modules for General Lighting	Light Output	IS 16103 (Part 2) : 2012 (Cl. 8)
31.		Luminous Flux	IS 16103 (Part 2) : 2012 (Cl. 8.1)
32.		Luminous Intensity Distribution, Peak Intensity	IS 16103 (Part 2) : 2012 (Cl. 8.2)
33.	LED Modules for General Lighting	Luminous Intensity Distribution	IS 16103 (Part 2): 2012 (Cl. 8.2.3)
34.		Beam Angle Value	IS 16103 (Part 2): 2012 (Cl. 8.2.5)
35.		Peak Intensity Value	IS 16103 (Part 2): 2012 (Cl. 8.2.4)
36.		Chromaticity Coordinates, Correlated Colour Temperature (CCT) and Colour Rendering	IS 16103 (Part 2): 2012 (Cl. 9)
37.		Chromaticity Coordinates (X,Y)	IS 16103 (Part 2): 2012 (Cl. 9.1)



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Photometry Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Light Sources (Electric Lamp)		
38.	Solid State Lighting (LED) Products	Correlated Colour Temperature (CCT)	IS 16103 (Part 2): 2012 (Cl. 9.2)
39.		Colour Rendering Index (CRI)	IS 16103 (Part 2): 2012 (Cl. 9.3)
40.		Electrical Setting	IS 16106: 2012 (Cl. 9)
41.		Electrical Instrumentation	IS 16106 : 2012 (Cl. 10)
42.		Circuits	IS 16106 : 2012 (Cl. 10.1)
43.		Luminous Efficacy	IS 16106 : 2012 (Cl. 13)
44.		Luminous Intensity Distribution	IS 16106 : 2012 (Cl. 12)
45.		Test Methods for Total Luminous Flux Measurement	IS 16106 : 2012 (Cl. 11)
46.		Test Method for Colour characteristics of SSL Products	IS 16106 : 2012 (Cl. 14)
47.		Colour Rendering Index (CRI)	IS 16107-2-1 (Cl.9.3):2012
48.	Luminaires Performance (Recessed light, Streetlight, Flood light)	Luminous Flux	IS 16107-2-1(Cl.8.1):2012
49.		Beam Angle	IS 16107-2-1 (Cl. 8.2.5)
50.		Centre Beam Intensity/ Luminous Intensity distribution/Peak Intensity Value/Luminous Efficacy	IS 16107-2-1 (Cl.8.2.3 & 8.2.4):2012



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Photometry Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Light Sources (Electric Lamp)		
51.		Lamp Life / LED module life	IS 16107-2-1(Cl.10):2012
52.		Chromaticity Coordinates (X, Y)	IS 16107-2-1(Cl.8.2.3 & 8.2.4):2012
53.		Correlated Colour Temperature	IS 16107-2-1(Cl.8.2.3 & 8.2.4):2012

* Note:

Scope Extension 1:

Following scope of accreditation is extended w.e.f. **27 June 2025:**

Electrical Testing-

Environmental Test Facility (S. No.- 1 to 2; Page no. 17)

Lamps, Luminaires and Accessories (S. No.- 1 to 574; Page no. 18-74)

Mechanical Testing-

Building, Infrastructure & Construction Materials (S. No.- 1 to 48; Page no. 110-115)

Leather and Leather Products (S. No.- 01 to 1142; Page no. 116-240)

Chemical Testing-

Hazardous & Restricted Chemicals (S. No.-1 to 278; Page no. 241-257)

Leather (S. No.- 1 to 57; Page no. 258-263)

Photometry Testing-

Light Sources (Electric Lamp) (S. No.- 1 to 53; Page no. 264-268)

