

Quality And Accreditation Institute

Centre for Laboratory Accreditation



Certificate of Accreditation

Intertek India Private Limited

607, 608, Tisel Bio Park, Phase II 6th Floor, CSIR Road, Taramani,
Chennai-600113, Tamil Nadu, 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/CLA/TL/2023/0025

Valid from: 15 September 2023

Valid until: 14 September 2025

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CLA



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
1.	Finished Leather Footwears Leather Products Others- Synthetic & Fabric Materials	Thickness	ISO 2589:2016
			SATRA TM 1: 2021
2.		Tensile strength & Elongation/ Breaking Strength	ISO 3376:2020
			SATRA TM 43: 2021
			SATRA TM 29: 2019
3.		Single edge tear strength/ Double edge tear strength	ISO 3377 – 1 :2011 single edge
			SATRA TM 30:2017 single edge
			SATRA TM 162:2017 double edge
			ISO 3377 – 2 : 2016 double edge
4.		Distension and Bursting Strength	SATRA TM 24:2017
ISO 3379:2015			
5.	Adhesion of Finish	ISO 11644: 2022	
6.	Needle Perforations	SATRA TM 33:2021	
7.	Flexing Resistance – Bally	ISO 5402-1:2022	
		SATRA TM 55:1999	
		ASTM D6182-00 (2015)	
		ISO 17694:2016	
8.	Vamp Flexing Resistance	ISO 5402-2:2015	
		SATRA TM 25:2020	

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
9.		De mattia Flexing	ISO 7854:1995 Method A
10.		Water Resistance – (Bally Penetrometer)	ISO 20344:2021, Clause 6.13
11.	Finished Leather Footweares Leather Products Industrial Products Others-Synthetic Materials	Water Vapour Permeability	ISO 14268:2023
			SATRA TM 172:1993
			ISO 20344: 2021 (Clause 6.6)
			ISO 20345: 2021 (Clause 5.4.6)
			ISO 20346: 2021 (Clause 5.4.6)
12.		Water Vapour Absorption - (Absorption Tester)	SATRA TM 178:2001
			ISO 17229:2016
			ISO 20344: 2021 (Clause 6.7)
13.		Water Vapour Coefficient	ISO 14268:2023
			ISO 20344: 2021 (Clause 6.8)
			ISO 20345: 2021 (Clause 5.4.6)
			ISO 20346: 2021 (Clause 5.4.6)
14.		Abrasion resistance - (Martindale Abrasive tester)	SATRA TM 31:2021
			BS EN 13520:2002
15.	Finished Leather	Break/Pipiness - (Break pipiness Tester)	BS 5131 Section 3.5:1978
			SATRA TM 36:2021
			ASTM D2941:2021
16.	Others-Coated Leather Materials	Resistance of finish films on upper leather to peeling and delamination	SATRA TM 148:2021



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
17.	Others-Soling Materials (Rubber, Thermoplastic Rubber, PVC, Eva, etc), and Leather Sole	Tensile Strength - Sole	ISO 37:2017
			SATRA TM 137:1995
18.		Tear Strength - Sole	ISO 34-1 :2022
			SATRA TM 218:1999
19.		Split Tear strength – sole	SATRA TM 65:2021
20.		Sole stitch Tear Strength	SATRA TM 5:2000
21.		Sole Abrasion Resistance – (Drum Method)	ISO 4649:2017
			SATRA TM 174:2016
			SATRA TM 193:2004
22.		Flexing Resistance – Sole	SATRA TM 161:2004
	DIN 53543:1979 (Clause 6.3)		
	SATRA TM 133:2017		
	BS 5131sec 2.1:1991		
23.	Density (Density Balance)	ISO 2781 :2018 (Method - A)	
		SATRA TM 134:2010	
24.	Shore A Hardness	SATRA TM 205:2017	
25.	Shore D Hardness	SATRA TM 205:2017	
26.	Compression set - (Compression Set Apparatus)	SATRA TM 64:1996	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
27.	Footwears Others-Sandal Products materials	Sole Bond Peeling Strength/Bond Strength	BS 5131 Section 5.4: 1978
			ISO 17708:2018
			SATRA TM 411:2023
28.		Whole Shoe Bond Strength	SATRA TM 281:2002
			SATRA TM 401:2021
29.		Attachment of strap to sole strength	SATRA TM 120:2021
30.		Toe Post Strength	SATRA TM 118:2022
31.		Heel Attachment Strength	BS EN ISO 12785:2000
			SATRA TM 113:2022
32.		Top Piece Attachment Strength	SATRA TM 108:2021
33.		Breaking force and Extension at whole shoe toplines	SATRA TM 143:2018
34.		Ageing	BS EN 12749: 1999
35.		Adhesion of Stuck-On and Moulded-On Soles – Toe (Sole adhesion tester)	SATRA TM 404:2020
			BS 5131 Section 5.1:1990
36.		Whole Shoe Flexing	SATRA TM 92:2016
37.		Whole Shoe Water Penetration	SATRA TM 77:2017
38.		Seam Strength	BS 5131 Section 5.13 :1980
			SATRA TM 180:2016
39.	Footwears Others-Footwears Materials and Belt Materials	Strength of Strap & Buckle Attachment / Strength of Buckle Fastening Assemblies	SATRA TM 181:2017
			BS 5131 Section 5.11: 1981
			SATRA TM 151:1999
40.	Attachment strength/ buckle/ straps/ trims/bows	SATRA TM 117:2023	
41.		Lace Breaking Strength	BS 5131 Sec.3.7: 1991

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
			SATRA TM 94:2018
42.		Breaking Force of Buckle Three-point bending test	SATRA TM 141: 1994
43.		Knot slippage test	SATRA TM 195:2004
44.		Breaking Strength for Threads	SATRA TM 74:2019
45.		Breaking Strength of Tapes and Bindings	SATRA TM 106:1994
46.		Pin holding strength of Insole materials	SATRA TM 11:1993
47.	Footwears Others-Footwears Materials, Belt Materials and Zipper Materials	Tensile properties of insole materials (Method 2)	SATRA TM 2:2021
48.		Transverse tensile strength of sheet material	SATRA TM 80:2021
49.		Closure strength of Touch and Close Fasteners - Peel Strength	SATRA TM 123:2018
50.		Closure strength of Touch and Close Fasteners - Shear Strength	SATRA TM 123:2018
51.		Lace Tag attachment strength	SATRA TM 175:2018
52.		Attachment strength of eyelet	SATRA TM 150:1999
53.		Eyelet facing strength	SATRA TM 149:2021
54.		Security of heel pins	SATRA TM 96: 2017 (Method 2)
55.		Strength of slide fastener puller	SATRA TM 52:2018
56.		Attachment strength of slide fastener end stops	SATRA TM 53:1992



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
57.		Slider locking strength of slide fasteners	SATRA TM 226:1999
58.	Footwears	Tab Strength	SATRA TM 165:1992
59.	Finished leather	Tongue Tearing Strength	ASTM D4704:2023
60.	Leather Products and accessories	Tear Strength for Uppers, Linings and Insocks	ISO 17696: 2004
61.	Leather products Textile & Textile Accessories	Colourfastness test with Artificial Saliva	DIN 53160-1: 2010
62.	Leather products and its accessories	Colour Fastness to Crocking (Crockmeter)	SATRA TM 167: 2017
			ISO 20433: 2012
			ASTM D5053: 2015
63.	Leather products and its accessories	Colour fastness to Perspiration - (Perspirometer)	ISO 11641: 2012
			ISO 17700: 2019 Method C
			SATRA TM 335: 2018
64.	Leather products and its accessories	Colour fastness to Water	ISO 11642: 2012
			SATRA TM 335: 2018
65.	Leather products and its accessories	Colour Fastness to Water Spotting	ISO 15700: 1998
			SATRA TM 185: 2021
66.	Leather products and its accessories	Colour Fastness to Rubbing	ISO 11640: 2018
			ISO 17700: 2019 Method A
			SATRA TM 173: 2021
67.	Metal Accessories in Leather & Footwear Products	Salt water Corrosion	ISO 22775: 2004 (Method 2)
			SATRA TM 310: 2020 Method 2
68.	Leather products and its accessories	Colourfastness to Circular Rubbing	SATRA TM 8:2022
			ISO 17700: 2019 (METHOD B)

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
1.	Textile Accessories in Leather Products	Detection of certain aromatic amines derived from Azo Colorants (Total 22 Aryl amines as listed) O-Toluidine (95-53-4) O -Anisidine(90-04-0) P- Chloroaniline (106-47-8) P -Kresidine (120-71-8) 2,4,5Trimethylaniline (137-17-7) 4 Chlor -O-Toluidine(95-69-2) 2,4Tolyenediamine (95-80-7) 2,4 Diaminoanisole (615-05-4) 2 Naphthylamine (91 - 59 - 8) 2 Aminonitro-4 Toluene (99-55-8) 4 Aminobiphenyl (92-67-1) P-Aminoazobenzene (60-09-03) 4,4 Oxydianiline (101-80-4) Benzidine (92-87-5) 4,4 Diamino -diphenyl methane (101-77-9) O Amino azo toluene (97-56-3) 4,4 Diamino-3,3 Dimethyl diphenyl amine (838-88-0) 3,3 Dimethyl Benzidine	EN ISO 14362-1: 2017 ISO 14362-1:2017



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
		(119-93-7) 4, 4 Thiodianiline (139-65-1) 3,3 Dichlorobenzidine (91- 94 - 1) 4, 4 Methylene -Bis-2 Chloroaniline (101-14-4) 3, 3 Dimethoxy Benzidine (119-90-4)	
2.	Textile Accessories in Leather Products	P-Aminoazobenzene (60-09-03)	EN ISO 14362-3: 2017 ISO 14362-3:2017
3.	Leather Products and its Accessories	Detection of certain aromatic amines derived from Azo Colorants (Total 24 Aryl amines as listed) O-Toluidine (95-53-4) 2, 4Xylidine (95-68-1) O -Anisidine (90-04-0) P- Chloroaniline (106-47-8) P -Kresidine (120-71-8) 2,4,5 Trimethylaniline (137-17-7) 4 Chlor -O-Toluidine (95-69-2)	GB/T 19942: 2019

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
		2,4 Tolyenediamine (95-80-7)	
		2,4 Diaminoanisole (615-05-4)	
		2 Naphthalamine (91 - 59 - 8)	
		2 Aminonitro-4 Toluene (99-55-8)	
		4 Aminobiphenyl (92-67-1)	
		P-Aminoazobenzene (60-09-03)	
		4,4 Oxydianiline (101-80-4)	
		Benzidine (92-87-5)	
		4,4 Diamino -diphenyl methane (101-77-9)	
		O Amino azo toluene (97-56-3)	
		4,4 Diamino-3,3 Dimethyl diphenyl amine (838-88-0)	
		3,3 Dimethyl Benzidine (119-93-7)	
		4, 4 Thiodianiline (139-65-1)	
		3,3 Dichlorobenzidine (91- 94 - 1)	



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
		4, 4 Methylene -Bis-2 Chloroaniline (101-14-4)	
		3, 3 Dimethoxy Benzidine (119-90-4)	
		2, 6 Xylidine (87-62-7)	
4.	Leather and Leather products	Detection of certain aromatic amines derived from Azo Colorants (Total 24 Aryl amines as listed)	ISO 17234-1: 2020 EN ISO 17234-1:2020
		O-Toluidine (95-53-4)	
		2, 4Xylidine (95-68-1) 2,4-Dimethylaniline	
		O -Anisidine (90-04-0)	
		P- Chloroaniline (106-47-8)	
		P -Kresidine (120-71-8) 2-Methoxy-5-methylaniline	
		2,4,5Trimethylaniline (137-17-7)	
		4 Chlor -O-Toluidine (95-69-2) 4- Chloro-2-methylaniline	
		2,4Tolyenediamine (95-80-7) 2,4-Diaminotoluene	
		2,4 Diaminoanisoole (615-05-4)	



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
		2 Naphthylamine (91 - 59 - 8)	
		2 Aminonitro-4 Toluene (99-55-8)	
		4 Aminobiphenyl (92-67-1)	
		P-Aminoazobenzene (60-09-03)	
		4,4 Oxydianiline (101-80-4)	
		Benzidine (92-87-5)	
		4,4 Diamino -diphenyl methane (101-77-9)	
		O Amino azo toluene (97-56-3)	
		4,4 Diamino-3,3 Dimethyl diphenyl amine (838-88-0)	
		3,3 Dimethyl Benzidine (119-93-7)	
		4, 4 Thiodianiline (139-65-1)	
		3,3 Dichlorobenzidine (91- 94 - 1)	
		4, 4 Methylene -Bis-2 Chloroaniline (101-14-4)	
		3, 3 Dimethoxy Benzidine	



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
		(119-90-4)	
		2, 6 Xylidine (87-62-7)	
5.	Leather and Leather products	P-Aminoazobenzene (60-09-03)	ISO 17234-2: 2011 EN ISO 17234-2:2011
6.	Leather Products and its Accessories	Determination of Phthalates	CPSC-CH-C1001-09.4: 2018
		Di-butyl phthalate (DBP); CAS No. 84-72-2	
		Di-iso Butyl phthalate (DIBP) CAS No. 84-69-5	
		Di-n-pentyl phthalate (DnPP) CAS No.131-18-0	
		Di-n-hexyl phthalates (DnHP) CAS No. 84-75-3	
		DICYCLOHEXYL PHTHALATE 84-61-7	
		Di-(2-ethylhexyl) phthalate (DEHP); CAS No. 117-81-7	
		Benzyl butyl phthalate (BBP); CAS NO. 85-68-7	
		Di-isononyl phthalate (DINP); CAS No. 28553-12-0/68515-48-0	



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
7.	Textile materials, Coating materials & Polymer materials in Footwear products.	Determination of Phthalates	ISO 16181-1:2021 EN ISO 16181-1: 2021
		Di-iso-decyl phthalate (DIDP);	
		CAS No. 26761-40-0 99.5	
		Di-isononyl phthalate (DINP);	
		CAS No. 28553-12-0/68515-48.0	
		Di-butyl phthalate (DBP);	
		CAS No. 84-74-2	
		Butyl benzyl phthalate (BBP);	
		CAS NO. 85-68-7 98.4	
		Di-n-octyl phthalate (DNOP);	
		CAS No. 117-84-0 99.39	
		Di-(2-ethylhexyl) phthalate (DEHP);	
		CAS No. 117-81-7 99.39	
		Di-iso Butyl phthalate (DIBP)	
		CAS No. 84-69-5	
Bis(2-methoxyethyl) phthalate Cas no.117-82-8 (DMEP)			
Diisopentyl phthalate (DIPP) Cas no.605-50-5			

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
		N-pentyl-isopentyl phthalate Cas no. (PIPP) 776297-69-9	
		Di-n-pentyl phthalate (DNPP) 131-18-0	
		Di-n-hexyl phthalates (DNHP) CAS No. 84-75-3	
		Di-Iso-Heptyl Phthalate (DIHP) 71888-89-6	
		Diundecyl phthalate (DUP) 3648-20-2	
		N-Pentyl-Isopentyl Phthalate (NPIPP) CAS No. 84777-06-0	
		Diethyl phthalate (DEP) 84-66-2	
		Dimethyl Phthalate (DMP) 131- 11-3	
		Phthalates – Dicyclohexyl Phthalate (DCHP) 84-61-7	
8.	Textile Accessories, Plastic & Other Polymeric materials in Leather Products	Determination of Phthalates Di-isononyl phthalate (DINP); CAS No. 28553-12-0/68515-48.0 Di-(2-ethylhexyl) phthalate (DEHP); CAS No. 117-81-7	EN ISO 14389: 2022 ISO 14389:2022 DIN EN ISO 14389:2023

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
		Di-n-octyl phthalate (DNOP);	
		CAS No. 117-84-0	
		Di-iso-decyl phthalate (DIDP);	
		CAS No. 26761-40-0	
		Butyl benzyl phthalate (BBP);	
		CAS NO. 85-68-7	
		Di-butyl phthalate (DBP);	
		CAS No. 84-74-2	
		Di-iso Butyl phthalate (DIBP)	
		CAS No. 84-69-5	
		Di-n-pentyl phthalate (DPP) CAS No.131-18-0	
		Di-Iso-Heptyl Phthalate (DIHP) 71888-89-6	
		Di-methoxyethyl phthalate (DMEP) CAS No. 117-82-8	
		Dicyclohexyl Phthalate (DCHP) 84-61-7	
		Di-iso-pentyl phthalate (DIPP) CAS no.605-50-5	
		Di-n-hexyl phthalate (DNHP)Cas no.84-75-3	



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		N-pentyl-iso-pentyl phthalate (PIPP) 776297-69-9	
		Di-iso-hexyl phthalate (DIHxP) CAS no. 71850-09-4	
9.	Plastics and other Polymeric Accessories in Leather Products	Determination of Phthalates Butyl benzyl phthalate (BBP) CAS NO. 85-68-7 Di-(2-ethylhexyl) phthalate (DEHP) CAS No. 117-81-7 Di-butyl phthalate (DBP) CAS No. 84-74-2 Di-iso-decyl phthalate (DIDP) CAS No. 26761-40-0 Di-isononyl phthalate (DINP) CAS No. 28553-12-0/68515-48.0 Di-n-octyl phthalate (DNOP) CAS No. 117-84-0	EN 14372 Clause 6.3.2: 2004
10.	Leather & Leather Products	Preservative content 2-(thiocyanomethylthio)-benzothiazole (TCMTB) CAS no.21564-17-0 2-octylisothiazole-3(2H)-one (OIT) Cas no.26530-20-1	EN ISO 13365-1: 2020 ISO 13365-1: 2020



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
		2-Phenylphenol (OPP) Cas no.90-43-7	
		4-Chloro-3-methylphenol (PCMC) Cas no.59-50-7	
11.	Leather & Leather Products	Determination of chlorinated phenols and ortho phenyl phenol Pentachlorophenol (PCP) CASno.87-86-5 2,3,4,5-Tetrachlorophenol(2,3,4,5-Tecp) CAS no.4901-51-3 2,3,4,6-Tetrachlorophenol(2,3,4,6-Tecp) CAS no.58-90-2 2,3,5,6-Tetrachlorophenol(2,3,5,6-Tecp) CAS no.935-95-5 2,3,6-Trichlorophenol(2,3,6-TCP) CAS no. 933-75-5 2,4,6-Trichlorophenol(2,4,6-TCP) CAS no.88-06-2 2,3,5-Trichlorophenol(2,3,5-TCP) CAS no 933-78-8	DIN EN ISO 17070: 2015 EN ISO 17070:2015 ISO 17070:2015



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
		3,4,5-Trichlorophenol(3,4,5-TCP) CAS no.609-19-8	
		2,4,5-Trichlorophenol (CAS no.95-95-4)	
		2,3,4- Trichlorophenol (CAS no.15950-66-0)	
		2-Chlorophenol (CAS no.95-57- 8)	
		3-Chlorophenol (CAS no.108-43- 0)	
		4-Chlorophenol (CAS no.106-48- 9)	
		2,3 Dichlorophenol (CAS no.576- 24-9)	
		2,4 Dichlorophenol (CAS no.120- 83-2)	
		2,5 Dichlorophenol (CAS no.583- 78-8)	
		2,6 Dichlorophenol (CAS no.87- 65-0)	
		3,4 Dichlorophenol (CAS no.95- 77-2)	
		3,5 Dichlorophenol (CAS no.591- 35-5)	



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
12.	Leather and Textile accessories in Leather products	Determination of Pentachlorophenol (PCP)	64 LFGB B 82.02-8: 2001
13.	Leather products and its accessories	Determination of selected Organotin compounds	DIN EN ISO 17353: 2005-11 EN ISO 17353: 2004 ISO 17353:2004
		Monobutyltin Trichloride (MBT) 1118-46-3	
		Dibutyl Tin Dichloride (DBT), 683-18-1	
		Tributyl Tin Chloride (TBT), 1461-22-9	
		Tetrabutyl Tin (TeBT), 1461-25-2	
		Monooctyl Tin Trichloride (MOT), 3091-25-6	
		Dioctyl Tin Dichloride (DOT), 3542-36-7	
		Triphenyl Tin Chloride (TPhT), 639-58-7	
		Tricyclohexyltin Chloride (TCyHT) 3091-32-5	
14.	Leather products and its accessories	Determination of selected Organotin compounds	ISO/TS 16179: 2012
		n-Butyltin Trichloride (MBT) 1118-46-3	CEN ISO/TS 16179: 2012



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
		n-octyl Tin Trichloride (MOT), 3091-25-6	
		Di-n-butyl Tin dichloride (DBT), 683-18-1	
		Di-n-octyl Tin dichloride (DOT), 3542-36-7	
		Tri-n-butyl Tin Chloride (TBT), 1461-22-9	
		Triphenyl Tin chloride (TPHT), 639-58-7	
		Tricyclohexyltin Chloride (TCyHT) 3091-32-5	
		Tetra-n-butyl Tin (TeBT), 1461- 25-2	
15.	Leather products and its accessories	Quantitative determination of DMFU content	ISO 16186: 2021 EN ISO 16186:2021
16.	Leather & Leather Products	Chrome VI (Without Ageing) Chrome VI (Ageing) – Colorimetric method	ISO 17075-1: 2017 DIN EN ISO 17075-1:2017 EN ISO 17075-1: 2017
17.	Leather & Leather Products	Chrome VI (Without Ageing) Chrome VI after ageing	EN ISO 21420 Clause 4.2 (a): 2020
18.	Paint & Surface coating in Leather Products	Lead in Paint/ Surface Coating (paints & other Similar Surface Coating as per regulation 16 CFR 1303: 2008)	CPSC-CH-E1003-09.1: 2011

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
19.	Paint & Surface coating in Leather Products	Lead in Paint/ Surface Coating (paints & other Similar Surface Coating as per regulation 16 CFR 1303: 2008)	ASTM E 1645: 2021
20.	Metal accessories in Leather products	Total Lead Content in metal products including Children's metal Jewellery.	CPSC-CH-E1001-08.3: 2012
21.	Metal accessories in Leather products	Total Lead Content in metal products including Children's metal Jewellery.	ASTM E 1645: 2021
22.	Leather, Textile, Polymer materials in Leather products	Total Lead in Non-metal	CPSC-CH-E1002-08.3: 2012
23.	Leather, Textile, Polymer materials in Leather products	Total Lead in Non-metal	ASTM E 1645: 2021
24.	Plastic & Polymeric Accessories in Leather Products	Total Cadmium Content in plastic	BS EN 1122: 2001 EN 1122: 2001
25.	Metal accessories in Leather products	Nickel Spot	FD CR 12471: 2002 PD CR 12471: 2002
26.	Metal and Leather accessories in Leather Products	Determination of total Heavy metal Antimony, Arsenic, Barium, Cadmium, Chromium, Mercury, Lead, and Selenium con	ISO 17072-2:2022 EN ISO 17072-2:2022 DIN EN ISO 17072-2:2022



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
27.	Textile Accessories in Leather Products	Determination of metals Antimony, Arsenic, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Nickel	BS EN 16711-1: 2015
28.	Metal and Leather Accessories in Leather Products	Total Heavy metals Antimony, Arsenic, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Nickel	EN 14602 (Clause 4.1): 2012
29.	Leather & Leather Products	pH Value of Aqueous extract (Leather)	ISO 4045: 2018 BS EN ISO 4045: 2018
30.	Leather & Leather Products	pH Value of Aqueous extract (Leather)	EN ISO 21420 Clause 4.2 (c): 2020
31.	Textile Accessories in Leather products	pH Value of Aqueous extract (Textile)	ISO 3071:2020
32.	Leather & Leather products	Formaldehyde content (Leather)-HPLC	ISO 17226-1: 2021 EN ISO 17226-1: 2021 DIN EN ISO 17226-1: 2021
33.	Leather & Leather products	Formaldehyde content (Leather)- Colorimetric	ISO 17226:2: 2018 EN ISO 17226-2:2018 DIN EN ISO 17226 -2:2018
34.	Textile Accessories in Leather products	Formaldehyde content (Textile)	ISO 14184-1:2011 EN ISO 14184-1:2011 DIN EN ISO 14184-1:2011
			JIS L1041:2011



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
35.	Plastic, Polymeric materials, Leather, Textile materials in Leather products	Polycyclic Aromatic Hydrocarbon	ZEK 01.4-08
		Acenaphthene CAS number: 83-32-9	
		Acenaphthylene CAS number: 208-96-8	
		Anthracene CAS number: 120-12-7	
		Benz[a]anthracene CAS number: 56-55-3	
		Benzo[b]fluoranthene CAS number: 205-99-2	
		Benzo[k]fluoranthene CAS number: 207-08-9	
		Benzo [g,h,i] perylene CAS number: 191-24-2	
		Benzo[a]pyrene CAS number: 50-32-8	
		Chrysene CAS number: 218-01-9	
		Dibenzo [a,h] anthracene CAS number: 53-70-3	
		Fluoranthene CAS number: 206-44-0	
Fluorene CAS number: 86-73-7			



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
		Indeno[1,2,3-c,d]pyrene CAS number: 193-39-5	
		Naphthalene CAS number: 91-20-3	
		Phenanthrene CAS number: 85-01-8	
		Pyrene CAS number: 129-00-0	
36.	Plastic, Polymeric materials, Leather, Textile materials in Leather products	Polycyclic Aromatic Hydrocarbon Acenaphthene CAS number: 83-32-9 Acenaphthylene CAS number: 208-96-8 Anthracene CAS number: 120-12-7 Benz[a]anthracene CAS number: 56-55-3 Benzo[b]fluoranthene CAS number: 205-99-2 Benzo[k]fluoranthene CAS number: 207-08-9 Benzo [g,h,i]perylene CAS number: 191-24-2	ISO 16190:2021 DIN EN ISO 16190: 2022 BS EN ISO 16190:2021



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
		Benzo[a]pyrene CAS number: 50-32-8	
		Chrysene CAS number: 218-01-9	
		Dibenzo [a,h]anthracene CAS number: 53-70-3	
		Fluoranthene CAS number: 206-44-0	
		Fluorene CAS number: 86-73-7	
		Indeno[1,2,3-c,d]pyrene CAS number: 193-39-5	
		Naphthalene CAS number: 91-20-3	
		Phenanthrene CAS number: 85-01-8	
		Pyrene CAS number: 129-00-0	
		Benzo[e]pyrene CAS number: 192-97-2	
		Benzo[J]fluoranthene CAS number: 205-82-3	
37.	Plastic, Polymeric materials, Leather, Textile materials in Leather products	Polycyclic Aromatic Hydrocarbon Acenaphthene CAS number: 83-32-9	AfPS GS 2019:01 PAK: 2020

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
		Acenaphthylene CAS number: 208-96-8	
		Anthracene CAS number: 120-12-7	
		Benz[a]anthracene CAS number: 56-55-3	
		Benzo[b]fluoranthene CAS number: 205-99-2	
		Benzo[k]fluoranthene CAS number: 207-08-9	
		Benzo [g,h,i]perylene CAS number: 191-24-2	
		Benzo[a]pyrene CAS number: 50-32-8	
		Chrysene CAS number: 218-01-9	
		Dibenzo [a,h]anthracene CAS number: 53-70-3	
		Fluoranthene CAS number: 206-44-0	
		Fluorene CAS number: 86-73-7	
		Indeno [1,2,3-c, d] pyrene CAS number: 193-39-5	
		Naphthalene CAS number: 91-20-3	

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
		Phenanthrene CAS number: 85-01-8	
		Pyrene CAS number: 129-00-0	
		Benzo[e]pyrene CAS number: 192-97-2	
		Benzo[J]fluoranthene CAS number: 205-82-3	
38.	Leather & Leather products	Chrome VI Chrome VI after aging - Chromatographic method	ISO 17075-2:2017 DIN EN ISO 17075-2:2017 EN ISO 17075-2: 2017
39.	Leather & Leather products	Thermal pre-ageing of Leather and Chrome VI content in leather	ISO 10195:2018 (Method A2)
40.	Leather & Leather products	Determination of matter soluble in dichloromethane and free fatty acid content Determination of Free fatty acid content (Oleic acid)	ISO 4048:2018

