

Quality And Accreditation Institute

Centre for International Accreditation



Certificate of Accreditation

Polaristek Testing Services LLP.

102,103,104,105, Mangeshi Arcade Phase 1, 1st Floor Next to Mutha College, Umbarde gaon road, Kalyan West District
Thane-421301, Maharashtra, 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/2026/0193

Valid from: 14 September 2026

Valid until: 13 September 2028

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA



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Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
1.	Leather, Textile, Footwear & Similar Products	Determination of disperse & Carcinogenic dye stuffs Disperse blue 3	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
2.		Disperse blue 7	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
3.		Disperse blue 26	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
4.		Disperse blue 102	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
5.		Disperse brown 1	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
6.		Disperse yellow 1	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
7.		Disperse yellow 9	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
8.	Leather, Textile, Footwear & Similar Products	Disperse yellow 39	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
9.		Disperse yellow 49	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
10.		Disperse orange 1	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
11.		Disperse red 11	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
12.		Disperse red 17	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
13.		Disperse yellow 7	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
14.		Disperse yellow 56	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
15.	Leather, Textile, Footwear & Similar Products	Disperse red 151	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
16.		Solvent red 23	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
17.		Navy blue	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
18.		Disperse blue 1	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
19.		Disperse blue 35	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
20.		Disperse blue 106	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
21.		Disperse blue 124	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018), DIN 54231

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
22.	Leather, Textile, Footwear & Similar Products	Disperse yellow 3	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
23.		Disperse orange 3	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018) DIN 54231
24.		Disperse orange 37/59/76a)	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018), DIN 54231
25.		Disperse red 1	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018), DIN 54231
26.		Basic red 9	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018), DIN 54231
27.		Violet 3	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018), DIN 54231
28.		Disperse yellow 23	IS 16914 (Part-2 & 3-2018) (Cl. B-10.1 of IS:17011:2018), DIN 54231



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
29.	Leather, Textile, Footwear & Similar Products	Forbidden Amines 4-aminobiphenyl	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017
30.		Benzidine	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017
31.		4-chloro-o-toluidine	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570 : 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
32.	Leather, Textile, Footwear & Similar Products	2-naphthylamine	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017
33.		o-aminoazotoluene	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017
34.		2-amino-4-nitrotoluene	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
35.	Leather, Textile, Footwear & Similar Products	p-chloroaniline	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017
36.		2,4-diaminoanisole	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017
37.		4,4'- diaminodiphenylmethane	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
38.	Leather, Textile, Footwear & Similar Products	3,3'-dichlorobenzidine	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017
39.		3,3'-dimethoxybenzidine	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017
40.		3,3'-dimethylbenzidine	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
41.	Leather, Textile, Footwear & Similar Products	3,3'-dimethyl-4,4'-diaminodiphenylmethane	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017
42.		p-cresidine	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017
43.		4,4'-methylen-bis(2-chloraniline)	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
44.	Leather, Textile, Footwear & Similar Products	4,4'-oxydianiline	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017
45.		4,4'-thiodianiline	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017
46.		o-toluidine	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
47.	Leather, Textile, Footwear & Similar Products	2,4-toluyldiamine	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017
48.		2,4,5-trimethylaniline	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017
49.		2,4-dimethylaniline (=2,4-Xylidine)	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
50.	Leather, Textile, Footwear & Similar Products	2,6-dimethylaniline (=2,6-Xylidine)	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017
51.		2-methoxyaniline (=o-anisidine)	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017
52.		4-aminoazobenzene	IS 582 (Part 5/Sec 2) (Cl. B-3.1 and B-3.2 of IS:17011 :2018), BS EN ISO 14362-3, ISO 14362-1, ISO 17234-1, ISO 17234-2, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, IS 15570: 2005, BS EN ISO 14362-3, JIS L 1940-1&3,9873-7:2017

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
53.	Leather, Textile, Footwear & Similar Products	Determination of Chromium VI and Chromium VI (Ageing)	IS 16259 (Cl. 4.1 of IS:17011:2018), Cl. 5.3.6 of BS EN ISO 20345/ BS EN ISO 20346/ Cl. 6.11 of BS EN ISO 20344/ Cl. 5.3.5 of BS EN ISO 20347/ ISO 17075-1/ ISO 17075-2/ Cl. 6.11 of ISO 20344/ SASO ISO 20344/ Cl. 5.4.9, 5.5.5, 5.6.3, 5.7.5 of ISO 20345/ SASO ISO 20345/ ISO 20346/ SASO ISO 20346/ ISO 20347/ SASO ISO 20347/ IS 15298-1/ IS 15298-2 :2024/ IS 15298-3:2024/ IS 15298-4:2017/ANNEX XVII TO REACH Entry 47, ISO 20345:2011, ISO 20344
54.		Determination of Dimethyl fumarate (DMFU)	IS 16991 (Cl. 4.1 of IS:17011:2018), Textile: EN 17130:2019, Leather- ISO 16186
55.		Formaldehyde (free or released by partial hydrolysis)	IS 16297 (Part 1, 2 &3) (Cl. 4.1 of IS:17011 :2018), AATCC 94-2020/ DIN EN ISO 14184- 1: 2011/ BS EN ISO/SVHC,14184- 1: 2011, ISO 17226-



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	Hazardous & Restricted Chemicals		
			1, ISO 17226-2, IS 14563 (Part 1), EN 717-3:1996
56.	Leather, Textile, Footwear & Similar Products	Formaldehyde	IS 14563 (Part 2) (Cl. B-12 of IS:17011 :2018), 14184 PART 2, IS 16297 (Part 1, 2 &3), EN 717-3:1996
57.		Organotin Compounds Dibutyltin	IS 16981 (Cl. B-19 of IS:17011 :2018), DIN EN ISO 17353:2005
58.		Dibutyltin dichloride	IS 16981 (Cl. B-19 of IS:17011 :2018), DIN EN ISO 17353:2005
59.		Diocetyl tin	IS 16981 (Cl. B-19 of IS:17011 :2018), DIN EN ISO 17353:2005
60.		Monobutyltin	IS 16981 (Cl. B-19 of IS:17011 :2018), DIN EN ISO 17353:2005
61.		Tributyltin	IS 16981 (Cl. B-19 of IS:17011 :2018), DIN EN ISO 17353:2005
62.		Triphenyltin	IS 16981 (Cl. B-19 of IS:17011 :2018), DIN EN ISO 17353:2005
63.		Monooctyltin	IS 16981 (Cl. B-19 of IS:17011 :2018), DIN EN ISO 17353:2005
64.		Bis(tributyltin)oxide	IS 16981 (Cl. B-19 of IS:17011 :2018), DIN EN ISO 17353:2005

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
65.	Leather, Textile, Footwear & Similar Products	Determination of PCP / TeCP / TriCP/	IS 14575 (Cl. B-27 of IS:17011: 2018), EN ISO 17070: 2015, 64 LFGB B 82.02.8 (KOH): 2001
66.		2,4,5-Trichlorophenol	IS 14575 (Cl. B-27 of IS:17011: 2018), EN ISO 17070: 2015, 64 LFGB B 82.02.8 (KOH) : 2001
67.		2,4,6-Trichlorophenol	IS 14575 (Cl. B-27 of IS:17011: 2018), EN ISO 17070: 2015, 64 LFGB B 82.02.8 (KOH): 2001
68.		2,3,5-Tichlorophenol	IS 14575 (Cl. B-27 of IS:17011: 2018), EN ISO 17070: 2015, 64 LFGB B 82.02.8 (KOH): 2001
69.		3,4,5-Trichlorophenol	IS 14575 (Cl. B-27 of IS:17011: 2018), EN ISO 17070: 2015, 64 LFGB B 82.02.8 (KOH): 2001
70.		2,3,6-Trichlorophenol	IS 14575 (Cl. B-27 of IS:17011: 2018), EN ISO 17070: 2015, 64 LFGB B 82.02.8 (KOH): 2001
71.		2,3,4-Trichlorophenol	IS 14575 (Cl. B-27 of IS:17011: 2018), EN ISO 17070: 2015, 64 LFGB B 82.02.8 (KOH): 2001

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
72.	Leather, Textile, Footwear & Similar Products	2,3,4,6-Tetrachlorophenol	IS 14575 (Cl. B-27 of IS:17011: 2018), EN ISO 17070: 2015, 64 LFGB B 82.02.8 (KOH): 2001
73.		2,3,5,6-Tetrachlorophenol	IS 14575 (Cl. B-27 of IS:17011: 2018), EN ISO 17070: 2015, 64 LFGB B 82.02.8 (KOH): 2001
74.		2,3,4,5-Tetrachlorophenol	IS 14575 (Cl. B-27 of IS:17011: 2018), EN ISO 17070: 2015, 64 LFGB B 82.02.8 (KOH): 2001
75.		Pentachlorophenol	IS 14575 (Cl. B-27 of IS:17011: 2018), EN ISO 17070: 2015, 64 LFGB B 82.02.8 (KOH): 2001
76.		pH	IS 1390 (Cl. B-24 of IS:17011: 2018)/IS 16258, ISO 20345:2011, ISO 20344, ISO 3071, AATCC-81: 2016, 9873-7:2017
77.		Di-iso-nonylphthalate	IS 16915 (Cl. B-25 of IS:17011: 2018), CPSC-CH-C1001-09.4: 2018, - CA PROP 65, ANNEX XVII TO REACH Entry 51 & 52, 16 CFR Part 1307, ASTM F963-23, ISO 16181-1:2021

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
78.	Leather, Textile, Footwear & Similar Products	Di-n-octylphthalate	IS 16915 (Cl. B-25 of IS:17011: 2018), CPSC-CH-C1001-09.4: 2018, - CA PROP 65, ANNEX XVII TO REACH Entry 51 & 52, 16 CFR Part 1307, ASTM F963-23, ISO 16181-1:2021
79.		Di-(2-ethylhexyl)-phthalate	IS 16915 (Cl. B-25 of IS:17011: 2018), CPSC-CH-C1001-09.4: 2018, - CA PROP 65, ANNEX XVII TO REACH Entry 51 & 52, 16 CFR Part 1307, ASTM F963-23, ISO 16181-1:2021
80.		Di-iso-decylphthalate	IS 16915 (Cl. B-25 of IS:17011: 2018), CPSC-CH-C1001-09.4: 2018, - CA PROP 65, ANNEX XVII TO REACH Entry 51 & 52, 16 CFR Part 1307, ASTM F963-23, ISO 16181-1:2021
81.		Butylbenzylphthalate	IS 16915 (Cl. B-25 of IS:17011: 2018), CPSC-CH-C1001-09.4: 2018, - CA PROP 65, ANNEX XVII TO REACH Entry 51 & 52, 16 CFR Part 1307, ASTM F963-23, ISO 16181-1:2021



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
82.	Leather, Textile, Footwear & Similar Products	Dibutylphthalate	IS 16915 (Cl. B-25 of IS:17011: 2018), CPSC-CH-C1001-09.4: 2018, - CA PROP 65, ANNEX XVII TO REACH Entry 51 & 52, 16 CFR Part 1307, ASTM F963-23, ISO 16181-1:2021
83.		Di-isobutylphthalate	IS 16915 (Cl. B-25 of IS:17011: 2018), CPSC-CH-C1001-09.4: 2018, - CA PROP 65, ANNEX XVII TO REACH Entry 51 & 52, 16 CFR Part 1307, ASTM F963-23, ISO 16181-1:2021
84.	Hazardous & Restricted Chemicals Textile & Textile Products Toys and sports equipment Computing & Communications Equipment	Nickel release	EN 1811
85.	Consumer Electronics ROHS Lighting: Lamps, Lighting, Fixtures, Light Bulbs Power Tools Small Household Appliances Large Household	Nickel release	BSEN 1811:2011+A1:2015, BS EN 12472:2005+A1: 2009



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
86.	Appliances Plastics & Other Polymeric Products Leather Products Prints Zippers Paints Other (Accessories & Apparels)	Nickel release	BSEN 1811:2011+A1:2015, BS EN 12472:2005+A1: 2009
87.	Hazardous & Restricted Chemicals Textile & Textile Products Toys and sports equipment Computing & Communications Equipment	Screening test for nickel	PDCR 12471:2002
88.	Consumer Electronics ROHS Lighting: Lamps, Lighting, Fixtures, Light Bulbs Power Tools Small Household Appliances Large Household Appliances Plastics & Other Polymeric Products Leather Products Prints Zippers Paints Other (Accessories & Apparels)	Screening test for nickel	PDCR 12471:2002



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
89.	Leather, Textile, Footwear & Similar Products	Alkyl Phenol -AP (OP And NP) and Alkyl phenol	ISO 18254-1:2016, ISO18218-1:2015
90.		Bisphenol-A Content (BPA)	Solvent extraction / GC-MS or LC, BSEN 71-9:2005+A1:2007, EN 71-10:2005, EN 71-11:2005, ANNEX XVII TO REACH Entry 66
91.		Determination of SCCP & MCCP (Chlorinated paraffin)	ISO 18219-1:2019, Textile: ISO 22818:2021 (SCCP + MCCP) Leather: ISO 18219-1:2021 (SCCP) ISO 18219-2 (MCCP)
92.		Determination of Dimethyl Formamide (DMFa)	ISO/TS 16189: 2013
93.		Polycyclic Aromatic Hydrocarbons (PAHs)-	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021
94.		Benzo(a)pyrene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
95.	Leather, Textile, Footwear & Similar Products	Benzo(e)pyrene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021
96.		Benz(a)anthracene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021
97.		Benzo(a)phenanthrene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021
98.		Benzo(b)fluoranthene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021
99.		Benzo(j)fluoranthene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
100.	Leather, Textile, Footwear & Similar Products	Benzo(k)fluoranthene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021
101.		Dibenzo(a,h)anthracene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021
102.		Naphthalene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021
103.		Acenaphthylene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021
104.		Acenaphthene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
105.	Leather, Textile, Footwear & Similar Products	Fluorene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021
106.		Phenanthrene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021
107.		Anthracene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021
108.		Fluoranthene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021
109.		Pyrene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
110.	Leather, Textile, Footwear & Similar Products	Benzo(ghi)perylene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021
111.		Indeno(1,2,3-cd) pyrene	ISO/TS 16190: 2013 European Directive 2005/69/EC ANNEX XVII TO REACH Entry 50 2013, ISO 16190:2021
112.		Determination of volatile organic compounds (VOC) and/or semi volatile organic compounds (SVOC) content- Benzene	ISO 11890-2:2020, EN 1400:2013+A2:2018(EN)
113.		Butadiene	ISO 11890-2:2020, EN 1400:2013+A2:2018(EN)
114.		4-phenyl-cyclohexane	ISO 11890-2:2020, EN 1400:2013+A2:2018(EN)
115.		Styrene	ISO 11890-2:2020, EN 1400:2013+A2:2018(EN)
116.		Toluene	ISO 11890-2:2020, EN 1400:2013+A2:2018(EN)

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
117.	Leather, Textile, Footwear & Similar Products	Vinyl chloride	ISO 11890-2:2020, EN 1400:2013+A2:2018(EN)
118.		Vinyl cyclohexane	ISO 11890-2:2020, EN 1400:2013+A2:2018(EN)
119.		Determination of pesticides-	IS 15651:2006, EN 15662:2018, ISO 6468, ISO 22517:2019
120.		2,4'-DDT	IS 15651:2006, EN 15662:2018, ISO 6468, ISO 22517:2019
121.		4,4'-DDT	IS 15651:2006, EN 15662:2018, ISO 6468, ISO 22517:2019
122.		4,4'-DDD	IS 15651:2006, EN 15662:2018, ISO 6468, ISO 22517:2019
123.		4,4'-DDE	IS 15651:2006, EN 15662:2018, ISO 6468, ISO 22517:2019
124.		alpha-HCH	IS 15651:2006, EN 15662:2018, ISO 6468, ISO 22517:2019
125.		gamma-HCH	IS 15651:2006, EN 15662:2018, ISO 6468, ISO 22517:2019
126.		Aldrin	IS 15651:2006, EN 15662:2018, ISO 6468, ISO 22517:2019

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
127.	Leather, Textile, Footwear & Similar Products	Dieldrin	IS 15651:2006, EN 15662:2018, ISO 6468, ISO 22517:2019
128.		Camphechlor	IS 15651:2006, EN 15662:2018, ISO 6468, ISO 22517:2019
129.		Heptachlor	IS 15651:2006, EN 15662:2018, ISO 6468, ISO 22517:2019
130.		cis-Heptachlor-exo-epoxide (isomer B)	IS 15651:2006, EN 15662:2018, ISO 6468, ISO 22517:2019
131.		2,4-D	IS 15651:2006, EN 15662:2018, ISO 6468, ISO 22517:2019
132.		Determination of Chlorinated Organic Carriers (COC)-Hexachlorobenzene	DIN 54232:2010, BS EN ISO 17137: 2018
133.		1,2,3-trichlorobenzene	DIN 54232:2010, BS EN ISO 17137: 2018
134.		1,2,4-trichlorobenzene	DIN 54232:2010, BS EN ISO 17137: 2018
135.		1,3,5-trichlorobenzene	DIN 54232:2010, BS EN ISO 17137: 2018
136.		1,2,3,4-tetrachlorobenzene	DIN 54232:2010, BS EN ISO 17137: 2018

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
137.	Leather, Textile, Footwear & Similar Products	1,2,3,5-tetrachlorobenzene	DIN 54232:2010, BS EN ISO 17137: 2018
138.		1,2,4,5-tetrachlorobenzene	DIN 54232:2010, BS EN ISO 17137: 2018
139.		Pentachlorobenzene	DIN 54232:2010, BS EN ISO 17137: 2018
140.		Monochlorobenzene	DIN 54232:2010, BS EN ISO 17137: 2018
141.		1,3-dichlorobenzene	DIN 54232:2010, BS EN ISO 17137: 2018
142.		1,4-dichlorobenzene	DIN 54232:2010, BS EN ISO 17137: 2018
143.		1,2-dichlorobenzene	DIN 54232:2010, BS EN ISO 17137: 2018
144.		2-chlorotoluene	DIN 54232:2010, BS EN ISO 17137: 2018
145.		3-chlorotoluene	DIN 54232:2010, BS EN ISO 17137: 2018
146.		4-chlorotoluene	DIN 54232:2010, BS EN ISO 17137: 2018



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
147.	Leather, Textile, Footwear & Similar Products	2,3-dichlorotoluene	DIN 54232:2010, BS EN ISO 17137: 2018
148.		2,5-dichlorotoluene	DIN 54232:2010, BS EN ISO 17137: 2018
149.		2,6-dichlorotoluene	DIN 54232:2010, BS EN ISO 17137: 2018
150.		2,4-dichlorotoluene	DIN 54232:2010, BS EN ISO 17137: 2018
151.		3,4-dichlorotoluene	DIN 54232:2010, BS EN ISO 17137: 2018
152.		2,3,6-trichlorotoluene	DIN 54232:2010, BS EN ISO 17137: 2018
153.		2,4,5-trichlorotoluene	DIN 54232:2010, BS EN ISO 17137: 2018
154.		Tetrachlorotoluene	DIN 54232:2010, BS EN ISO 17137: 2018
155.		2,3,4,5,6-pentachlorotoluene	DIN 54232:2010, BS EN ISO 17137: 2018
156.		Determination of Lead in Surface coating	E1613-2012 CPSC-CHE1003-09.1: Feb25,2011

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
157.	Leather, Textile, Footwear & Similar Products	Determination of Lead in Surface coating	E1613-2012 CPSC-CHE1003-09.1: Feb25,2011
158.		Determination of Lead in Surface coating	Health Canada Method C-02.2-2016 Health Canada Method C-02.2-2017 16 CFR1303:2008 16 CFR Part1303: 2018
159.		Cadmium Extractability from Children's Metal Jewellery	CPSC-CH-E1004-11-Feb 03
160.		Determination of cadmium wet decomposition methods	EN 1122:2002, ANNEX XVII TO REACH Entry 23
161.		Total Lead content in Substrate for Non-metal children's products including children's metal Jewellery	CPSC-CH-E1002-08.3, IS 9873: Part 5: 2017 (ISO 8124-5: 2015), ASTM F2999 -19, F2923-20, EPA 3050B
162.		Total Lead content in Substrate for metal children's products including children's metal Jewellery	ASTM E1645-2001 withdrawn ASTM E1645-2016 ASTM, CPSC 16 CFR 1303, ASTM F963-23
163.		Total Lead content in Substrate for metal children's products	E1613-2012 CPSC-CHE1002-08.3: Nov15,2012 GB/T30157-2013 Health



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
		including children's metal Jewellery	Canada Method C-02.2-2016 Health Canada Method C-02.2-2017 Health
164.	Leather, Textile, Footwear & Similar Products	Total Lead content in Substrate for metal children's products including children's metal Jewellery	Canada Method C-02.3-2013 Health Canada Method
165.		Total Lead content in Substrate for metal children's products including children's metal Jewellery	C-02.3-2017 Health Canada MethodC-02.5-2008 Health Canada Method C-05-2014 ANNEX XVII TO
166.		Total Lead content in Substrate for metal children's products including children's metal Jewellery	REACH Entry 63: 2014
167.	Electronics and Electrical Products	3,3,5,5-Tetrabromobiphenyl (16400-50-3)	IEC 62321-6: 2015
168.		Determination of Flame retardant 2,3,3,4,4,5,5,6-Octabromodiphenyl Ether (446255-56-7)	IEC 62321-6: 2015



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
169.	Electronics and Electrical Products	Determination of Flame retardant 2,3,4,4-Tetrabromodiphenyl ether (189084-62-6)	IEC 62321-6: 2015
170.		Determination of Flame retardant, 2,2,3,3,4,4,5,5,6-Nonabromobiphenyl (69278-62-2)	IEC 62321-6: 2015
171.		Determination of Flame retardant, 2,2',3,3',4,4',5,5',6-Nonabromodiphenyl ether (63387-28-0)	IEC 62321-6: 2015
172.		Determination of Flame retardant, 2,2,3,3,4,4,5,5-Octabromobiphenyl (67889-00-3)	IEC 62321-6: 2015
173.		Determination of Flame retardant, 2,2,3,4,4,5-Hexabromodiphenyl ether (18267-30-1)	IEC 62321-6: 2015

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
174.	Electronics and Electrical Products	Determination of Flame retardant, 2,2,3,4,4-Pentabromodiphenyl ether (182346-21-0)	IEC 62321-6: 2015
175.		Determination of Flame retardant, 2,2',4,5',6-Pentabromobiphenyl (59080-39-6)	IEC 62321-6: 2015
176.		Determination of Flame retardant, 2,2,4, - Tribromodiphenyl ether (41318-75-6)	IEC 62321-6: 2015
177.		Determination of Flame retardant, 2,2-Dibromobiphenyl (13029-09-9)	IEC 62321-6: 2015
178.		Determination of Flame retardant, 2,3,3,4,4,5,5-Heptabromobiphenyl (88700-06-5)	IEC 62321-6: 2015
179.		Determination of Flame retardant, 2,3,3,4,4,5,6-	IEC 62321-6: 2015

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
		Heptabromodiphenyl ether (189084-68-2)	
180.	Electronics and Electrical Products	Determination of Flame retardant, 2,4,5-Tribromobiphenyl (115245-07-3)	IEC 62321-6: 2015
181.		Determination of Flame retardant, 2-Bromobiphenyl (2052-07-5)	IEC 62321-6: 2015
182.		Determination of Flame retardant, 3,3',4,4',5,5'-Hexabromobiphenyl (60044-26-0)	IEC 62321-6: 2015
183.		Determination of Flame retardant, 3,4-Dibromodiphenyl Ether (83694-71-7)	IEC 62321-6: 2015
184.		Determination of Flame retardant, 3-Bromodiphenyl Ether (6876-00-2)	IEC 62321-6: 2015
185.		Determination of Flame retardant, Decabromobiphenyl (13654-09-6)	IEC 62321-6: 2015

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
186.	Electronics and Electrical Products	Determination of Flame retardant, Decabromodiphenyl ether (1163-19-5)	IEC 62321-6: 2015
187.		Determination of total heavy metals-	IEC 62321:2008 IEC 62321:2009 IEC 62321-1:2013, IEC 62321-2:2021 IEC, 62321-4:2013 IEC, 62321-5:2013 IEC 62321-7-1:2015 IEC, 62321-7-2:2017 DIRECTIVE
188.		Cadmium, lead, chromium, Mercury and chromium vi in metals, polymers and electronics by AAS-HVG	2011/65/EU, (2002/95/EC & 2011/65/EU)/SVHC
189.		Determination of certain phthalate substances in electrotechnical products by GCMS, BBP (Benzyl butyl phthalate)	IEC 62321-8: 2017, DIRECTIVE 2011/65/EU: 2011
190.		Determination of certain phthalate substances in electrotechnical products by GCMS, DBP (Dibutyl phthalate)	IEC 62321-8: 2017, DIRECTIVE 2011/65/EU: 2011

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
191.	Electronics and Electrical Products	Determination of certain phthalate substances in electrotechnical products by GCMS, DEHP (Di(2-ethylhexyl) phthalate)	IEC 62321-8: 2017, DIRECTIVE 2011/65/EU: 2011
192.		Determination of certain phthalate substances in electrotechnical products by GCMS, DIBP (Di isobutyl phthalate)	IEC 62321-8: 2017, DIRECTIVE 2011/65/EU: 2011
193.	Hazardous & Restricted Substance Plastic, Metal, Ceramic & other Polymeric Material	Specific Migration of Heavy Metal-Arsenic (As)	Specific Migration of Heavy metals- 23 Elements (Simulants: Artificial Tap Water / 0.5 % citric acid) Indian Food and Safety (Packaging) regulation 2018, Regulation (EC) 1935/2004, Regulation (EU) No.10/2011, REGULATION (EU) 2016/1416, (EU)
194.		Specific Migration of Heavy Metal-Barium (Ba)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS

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Chemical Testing			
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	Hazardous & Restricted Chemicals		
			3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
195.	Hazardous & Restricted Substance Plastic, Metal, Ceramic & other Polymeric Material	Specific Migration of Heavy Metal-Beryllium (Be)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
196.		Specific Migration of Heavy metal-Copper (Cu)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, STM F963, FDA 21 CFR, IS 14407: 2024
197.		Specific Migration of Heavy Metal-Manganese (Mn)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
198.	Hazardous & Restricted Substance Plastic, Metal, Ceramic & other Polymeric Material	Specific Migration of Heavy Metal-Tin (Sn)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
199.		Specific Migration of Heavy Metal-Vanadium (V)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
200.		Specific Migration of Heavy Metal-Zinc (Zn)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
201.		Specific Migration of Heavy Metal-Antimony (Sb)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
			S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM f963, FDA 21 CFR, IS 14407: 2024
202.		Specific Migration of Heavy Metal-Barium (Ba)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
203.	Hazardous & Restricted Substance Plastic, Metal, Ceramic & other Polymeric Material	Specific Migration of Heavy Metal-Lead (Pb)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
204.		Specific Migration of Heavy Metal-Magnesium (Mg)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, En 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
205.	Hazardous & Restricted Substance Plastic, Metal, Ceramic & other Polymeric Material	Specific Migration of Heavy Metal-Thallium (Tl)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, is 14625/is 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
206.		Specific Migration of Heavy Metal-Titanium (Ti)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
207.		Specific Migration of Heavy metal- Iron (Fe)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/is 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
208.		Specific Migration of Heavy metal- Molybdenum (Mo)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
			S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
209.		Specific Migration of Heavy Metal-Aluminium (Al)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
210.	Hazardous & Restricted Substance Plastic, Metal, Ceramic & other Polymeric Material	Specific Migration of Heavy Metal-Beryllium (Be)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
211.		Specific Migration of Heavy Metal-Cadmium (Cd)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
212.	Hazardous & Restricted Substance Plastic, Metal, Ceramic & other Polymeric Material	Specific Migration of Heavy Metal-Chromium (Cr)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, is 14625/is 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
213.		Specific Migration of Heavy metal-Cobalt (Co)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, is 14625/is 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
214.		Specific Migration of Heavy Metal-Lithium (Li)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
215.	Hazardous & Restricted Substance Plastic, Metal,	Specific Migration of Heavy metal-Mercury (Hg)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
	Ceramic & other Polymeric Material		S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
216.		Specific Migration of Heavy metal-Nickel (Ni)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
217.		Specific Migration of Heavy metal-Silver (Ag)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
218.		Specific Migration of Heavy Metal-Europium (Eu)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
219.	Hazardous & Restricted Substance Plastic, metal, Ceramic & other Polymeric Material	Specific Migration of Heavy Metal-Gadolinium (Gd)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
220.		Specific Migration of Heavy Metal-Lanthanum (La)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
221.		Specific Migration of Heavy Metal-Terbium (Tb)	2017/752, (EU) No 284/2011, EN13130 -1:2004, 2020/1245, EU-10, LFGB, Sec 30, IS 9833-2018, AT-S0012: 2020, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
222.	Hazardous & Restricted Substance Plastic, Metal,	Overall Migration in materials and articles in contact with foodstuffs	IS 9845-1998 (R2015) Indian Food and Safety (Packaging) regulation 2018, ISO 1186-1:2002, Regulation

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
	Ceramic & other Polymeric Material		(EC) 1935/2004, Regulation (EU) No. 10/2011, REGULATION (EU) 2016/1416, (EU) No 284/2011, (EU) 2017/752, EN 14350, IS 14625/IS 3565, ASTM F963, FDA 21 CFR, IS 14407: 2024
223.		Sensorial test	DIN 10955: 2004, IS 14756: 2024
224.	Leather, Textile & Footwear	Migration of Heavy Metal-Antimony	IS 5168: 2018, IS 14625: 2015
225.		Migration of Heavy Metal-Arsenic	IS 5168: 2018, IS 14625: 2015
226.		Migration of Heavy Metal-Chromium	IS 5168: 2018, IS 14625: 2015
227.		Migration of Heavy Metal-mercury	IS 5168: 2018, IS 14625: 2015
228.		Migration of Heavy Metal-cadmium	IS 5168: 2018, IS 14625: 2015
229.		Migration of Heavy Metal-Lead	IS 5168: 2018, IS 14625: 2015
230.		Migration of Heavy Metal-barium	IS 5168: 2018, IS 14625: 2015

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
231.	Leather, Textile & Footwear	Migration of Heavy Metal-selenium	IS 5168: 2018, IS 14625: 2015
232.		Vegetable Tanned Sole Leather Specification-	IS 579: 2017
233.		Total ash	IS 579: 2017
234.		pH value	IS 582-9: 2022/ ISO 4045:2018/ IS 1390: 2022/ Cl. 5.4.7, 5.5.4, 5.6.2, 5.7.2 of ISO 20345: 2021, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018
235.		total ash content	IS 582: 1970
236.		Heavy Metals	IS 582 (Part 6 /Sec 1): 2018
237.		Free Sulphur/Sulphur dyes	Cl. 5.2.3.1, 5.2.6 and 5.2.8.3 of IS 3976 (A1: 2021): 2018, Cl. 8 (Table 6) of IS 3976 (A1: 2021): 2018, Cl. 4.2.1 of IS 12254: 1993, Cl. 5.2.3.1, 5.2.6 and Cl. 5.2.9 (Annex C) of IS 14544: 1998

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
238.	Leather, Textile, Footwear & Similar Products	Determination of total concentration of certain elements, Aluminium (Al)	ISO 17072-2: 2019
239.	Leather, Textile, Footwear & Similar Products	Determination of total concentration of certain elements, Antimony (Sb)	ISO 17072-2: 2019
240.		Determination of total concentration of certain elements, Arsenic (As)	ISO 17072-2: 2019
241.		Determination of total concentration of certain elements, Barium (Ba)	ISO 17072-2: 2019
242.		Determination of total concentration of certain elements, Boron (B)	ISO 17072-2: 2019
243.		Determination of total concentration of certain elements, Cadmium (Cd)	ISO 17072-2: 2019
244.		Determination of total concentration of certain elements, Chromium (Cr)	ISO 17072-2: 2019

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
245.		Determination of total concentration of certain elements, Cobalt (Co)	ISO 17072-2: 2019
246.		Determination of total concentration of certain elements, Copper (Cu)	ISO 17072-2: 2019
247.		Determination of total concentration of certain elements, Ferrum (Fe)	ISO 17072-2: 2019
248.	Leather, Textile, Footwear & Similar Products	Determination of total concentration of certain elements, Lead (Pb)	ISO 17072-2: 2019
249.		Determination of total concentration of certain elements, Manganese (Mn)	ISO 17072-2: 2019
250.		Determination of total concentration of certain elements, Mercury (Hg)	ISO 17072-2: 2019
251.		Determination of total concentration of certain elements, Nickel (Ni)	ISO 17072-2: 2019

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
252.	Leather, Textile, Footwear & Similar Products	Determination of total concentration of certain elements, Selenium (Se)	ISO 17072-2: 2019
253.	Leather, Textile, Footwear & Similar Products	Determination of total concentration of certain elements, Strontium (Sr)	ISO 17072-2: 2019
254.		Determination of total concentration of certain elements, Tin (Sn)	ISO 17072-2: 2019
255.		Determination of total concentration of certain elements, Zinc (Zn)	ISO 17072-2: 2019
256.	Hazardous & Restricted Chemicals Textile &	Leachable lead and cadmium from ceramic surfaces	ASTM C 738 -1994 (2025), Health Canada Method C10-2017, Health Canada Method C-09-2012, ISO
257.	Textile Products Toys and sports equipment	Leachable lead and cadmium from ceramic surfaces	7086-1:2019, ISO 6486-1:2019, ISO 6486-2:1999, ASTM C 927-25a, BS EN 1388-1:1996, BS EN 1388-2:1996, BS 6748, IS 9806, DIN 51031
258.	Leather, Textile & Footwear	Migration of Certain Elements-Lead (Pb)	BS EN 16711-2:2015

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
259.		Migration of Certain Elements, Nickel (Ni)	BS EN 16711-2:2015
260.	Leather, Textile & Footwear	Migration of Certain Elements, Cobalt (Co)	BS EN 16711-2:2015
261.		Migration of Certain Elements, Arsenic (As)	BS EN 16711-2:2015
262.		Migration of Certain Elements, Copper (Cu)	BS EN 16711-2:2015
263.		Migration of Certain Elements, Mercury (Hg)	BS EN 16711-2:2015
264.		Migration of Certain Elements, Antimony (Sb)	BS EN 16711-2:2015
265.		Migration of Certain Elements, Cadmium (Cd)	BS EN 16711-2:2015
266.		Migration of Certain Elements, Chromium (Cr)	BS EN 16711-2:2015
267.		Migration of Certain Elements-	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
268.		Aluminium	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
269.	Leather, Textile & Footwear	Antimony	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
270.		Arsenic	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
271.		Barium	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
272.		Boron	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
273.		Cadmium	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
274.		Chromium (III)	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
275.		Chromium (VI)	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
276.		Cobalt	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
277.		Copper	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
278.		Lead	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
279.		Manganese	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
280.		Mercury	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
281.	Leather, Textile & Footwear	Nickel	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
282.		Organic tin	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
283.		Selenium	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
284.		Strontium	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
285.		Tin	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
286.		Zinc	EN 71-3 /BS EN 71-3: 2019, EN 16711-3/ BS EN 16711-3:2019
287.	Toys, Sports Equipment and Similar Products	Migration of Certain Elements Safety of Toys Part 3 Migration of Certain Elements, Antimony (Sb)	ISO 8124-3:2020, IS 9873-7, IS 9873-3: 2020, ASTM F2999:19, ISO 8124-3-10, ISO 8124-11:2019

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
288.		Migration of Certain Elements Safety of Toys Part 3 Migration of Certain Elements, Arsenic (As)	ISO 8124-3:2020, IS 9873-7, IS 9873-3: 2020, ASTM F2999:19, ISO 8124-3-10, ISO 8124-11:2019
289.		Migration of Certain Elements Safety of Toys Part 3 Migration of Certain Elements, Barium (Ba)	ISO 8124-3:2020, IS 9873-7, IS 9873-3: 2020, ASTM F2999:19, ISO 8124-3-10, ISO 8124-11:2019
290.		Migration of Certain Elements Safety of Toys Part 3 Migration of Certain Elements, Cadmium (Cd)	ISO 8124-3:2020, IS 9873-7, IS 9873-3: 2020, ASTM F2999:19, ISO 8124-3-10, ISO 8124-11:2019
291.	Toys, Sports Equipment and Similar Products	Migration of Certain Elements Safety of Toys Part 3 Migration of Certain Elements, Chromium (Cr)	ISO 8124-3:2020, IS 9873-7, IS 9873-3: 2020, ASTM F2999:19, ISO 8124-3-10, ISO 8124-11:2019
292.		Migration of Certain Elements Safety of Toys Part 3 Migration of Certain Elements, Lead (Pb)	ISO 8124-3:2020, IS 9873-7, IS 9873-3: 2020, ASTM F2999:19, ISO 8124-3-10, ISO 8124-11:2019
293.		Migration of Certain Elements Safety of Toys Part 3 Migration of Certain Elements, Mercury (Hg)	ISO 8124-3:2020, IS 9873-7, IS 9873-3: 2020, ASTM F2999:19, ISO 8124-3-10, ISO 8124-11:2019

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
294.		Migration of Certain Elements Safety of Toys Part 3 Migration of Certain Elements, Selenium (Se)	ISO 8124-3:2020, IS 9873-7, IS 9873-3: 2020, ASTM F2999:19, ISO 8124-3-10, ISO 8124-11:2019
295.		Migration of Certain Elements Safety of Toys Part 3 Migration of Certain Elements, Boron (B)	ISO 8124-3:2020, IS 9873-7, IS 9873-3: 2020, ASTM F2999:19, ISO 8124-3-10, ISO 8124-11:2019
296.	Toys, Sports Equipment and Similar Products	Safety of Toys Part 6 & 9 Determination of Certain Phthalate Esters in Toys and Children's products, Di-n-butyl phthalate (DBP)	IS 9873: Part 6: 2025, IS 9873 (Part 9):2017
297.		Safety of Toys Part 6 & 9 Determination of Certain Phthalate Esters in Toys and Children's products, Bis(2- ethylhexyl) phthalate (DEHP)	IS 9873: Part 6: 2025, IS 9873 (Part 9):2017
298.		Safety of Toys Part 6 & 9 Determination of Certain Phthalate Esters in Toys and	IS 9873: Part 6: 2025, IS 9873 (Part 9):2017

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
		Children's products, Butyl Benzyl phthalate (BBP)	
299.	Toys, Sports Equipment and Similar Products	Safety of Toys Part 6 & 9 Determination of Certain Phthalate Esters in Toys and Children's products, Di-iso-decyl phthalate (DIDP)	IS 9873: Part 6: 2025, IS 9873 (Part 9):2017
300.		Safety of Toys Part 6 & 9 Determination of Certain Phthalate Esters in Toys and Children's products, Di-iso-nonyl phthalate (DINP)	IS 9873: Part 6: 2025, IS 9873 (Part 9):2017
301.		Safety of Toys Part 6 & 9 Determination of Certain Phthalate Esters in Toys and Children's products, Di-n-octyl phthalate (DNOP)	IS 9873: Part 6: 2025, IS 9873 (Part 9):2017
302.		Determination of total concentration	ISO 8124-5:2015 DIN 54233-1:2010 PDCR 13695-1:2000 PDCR
303.		of heavy metals	13695-2:2004 The European Directive 94/62/EC1 on packaging

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
			and packaging waste, and the regulation of the
304.	Toys, Sports Equipment and Similar Products	Lead (Pb)	Coalition of Northeastern Governors (CONEG) EN 16711-1:2015 ISO 17072-2:2011 GB/T 30157-2013 CPSC-CHE1001-
305.		Cadmium (Cd)	08.3: Nov15,2012 CPSC-CHE1002-08.3: Nov15,2012 CPSC-CH-E1003-09.1: Feb25,2011 16 CFR Part1303:2018: 2018
306.		Aluminium (Al)	08.3: Nov15,2012 CPSC-CHE1002-08.3: Nov15,2012 CPSC-CH-E1003-09.1: Feb25,2011 16 CFR Part1303:2018: 2018
307.		Antimony (Sb)	08.3: Nov15,2012 CPSC-CHE1002-08.3: Nov15,2012 CPSC-CH-E1003-09.1: Feb25,2011 16 CFR Part1303:2018: 2018
308.		Arsenic (As)	08.3: Nov15,2012 CPSC-CHE1002-08.3: Nov15,2012 CPSC-CH-E1003-



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
			09.1: Feb25,2011 16 CFR Part1303:2018: 2018
309.	Toys, Sports Equipment and Similar Products	Barium (Ba)	08.3: Nov15,2012 CPSC-CHE1002- 08.3: Nov15,2012 CPSC-CH-E1003- 09.1: Feb25,2011 16 CFR Part1303:2018: 2018
310.		Boron (B)	08.3: Nov15,2012 CPSC-CHE1002- 08.3: Nov15,2012 CPSC-CH-E1003- 09.1: Feb25,2011 16 CFR Part 1303:2018: 2018
311.		Chromium (Cr)	08.3: Nov15,2012 CPSC-CHE1002- 08.3: Nov15,2012 CPSC-CH-E1003- 09.1: Feb25,2011 16 CFR Part1303:2018: 2018
312.		Cobalt (Co)	08.3: Nov15,2012 CPSC-CHE1002- 08.3: Nov15,2012 CPSC-CH-E1003- 09.1: Feb25,2011 16 CFR Part1303:2018: 2018
313.		Copper (Cu)	08.3: Nov15,2012 CPSC-CHE1002- 08.3: Nov15,2012 CPSC-CH-E1003-



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
			09.1: Feb25,2011 16 CFR Part 1303:2018: 2018
314.	Toys, Sports Equipment and Similar Products	Manganese (Mn)	08.3: Nov15,2012 CPSC-CHE1002-08.3: Nov15,2012 CPSC-CH-E1003-09.1: Feb25,2011 16 CFR Part1303:2018: 2018
315.		Mercury (Hg)	08.3: Nov15,2012 CPSC-CHE1002-08.3: Nov15,2012 CPSC-CH-E1003-09.1: Feb25,2011 16 CFR Part 1303:2018: 2018
316.		Nickel (Ni)	08.3: Nov15,2012 CPSC-CHE1002-08.3: Nov15,2012 CPSC-CH-E1003-09.1: Feb25,2011 16 CFR Part 1303:2018: 2018
317.		Selenium (Se)	08.3: Nov15,2012 CPSC-CHE1002-08.3: Nov15,2012 CPSC-CH-E1003-09.1: Feb25,2011 16 CFR Part1303:2018: 2018
318.		Strontium (Sr)	08.3: Nov15,2012 CPSC-CHE1002-08.3: Nov15,2012 CPSC-CH-E1003-



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
			09.1: Feb25,2011 16 CFR Part1303:2018: 2018
319.	Toys, Sports Equipment and Similar Products	Tin (Sn)	08.3: Nov15,2012 CPSC-CHE1002- 08.3: Nov15,2012 CPSC-CH-E1003- 09.1: Feb25,2011 16 CFR Part 1303:2018: 2018
320.		Zinc (Zn)	08.3: Nov15,2012 CPSC-CHE1002- 08.3: Nov15,2012 CPSC-CH-E1003- 09.1: Feb25,2011 16 CFR Part 1303:2018: 2018
321.		Ferrous (Fe)	08.3: Nov15,2012 CPSC-CHE1002- 08.3: Nov15,2012 CPSC-CH-E1003- 09.1: Feb25,2011 16 CFR Part1303:2018: 2018
322.		Determination of Certain Phthalate Esters di iso butyl phthalate (DIBP)	ISO 14389: 2022, ASTM F 2999-19, F 2923-20
323.		Determination of Certain Phthalate Esters, Bis(2-ethylhexyl) phthalate (DEHP)	ISO 14389: 2022, ASTM F 2999-19, F 2923-20

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
324.		Determination of Certain Phthalate Esters, Butyl Benzyl phthalate (BBP)	ISO 14389: 2022, ASTM F 2999-19, F 2923-20
325.		Determination of Certain Phthalate Esters, di n hexyl phthalate	ISO 14389: 2022, ASTM F 2999-19, F 2923-20
326.		Determination of Certain Phthalate Esters, Di-iso-decyl phthalate (DIDP)	ISO 14389: 2022, ASTM F 2999-19, F 2923-20
327.	Toys, Sports Equipment and Similar Products	Determination of Certain Phthalate Esters, Di-iso-nonyl phthalate (DINP)	ISO 14389: 2022, ASTM F 2999-19, F 2923-20
328.		Determination of Certain Phthalate Esters, Di-n-butyl phthalate (DBP)	ISO 14389: 2022, ASTM F 2999-19, F 2923-20
329.		Determination of Certain Phthalate Esters, Di-n-octyl phthalate (DNOP)	ISO 14389: 2022, ASTM F 2999-19, F 2923-20
330.		Poly Chlorinated biphenyl (PCB), HCB	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, ISO

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
			8124-7: 2015/ Clause 4.5.2 of EN 71-7/BS EN 71-7::2025
331.	Toys, Sports Equipment, Finger Paints and Similar Products	Poly Chlorinated biphenyl (PCB), PCB 101	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.5.2 of EN 71-7/BS EN 71-7::2025
332.		Poly Chlorinated biphenyl (PCB), PCB 11	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.5.2 of EN 71-7/BS EN 71-7::2025
333.	Toys, Sports Equipment, Finger Paints and Similar Products	Poly Chlorinated biphenyl (PCB), PCB 118	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.5.2 of EN 71-7/BS EN 71-7::2025
334.		Poly Chlorinated biphenyl (PCB), PCB 138	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.5.2 of EN 71-7/BS EN 71-7::2025
335.		Poly Chlorinated biphenyl (PCB), PCB 153	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, ISO

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Chemical Testing			
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	Hazardous & Restricted Chemicals		
			8124-7: 2015/ Clause 4.5.2 of EN 71-7/BS EN 71-7::2025
336.		Poly Chlorinated biphenyl (PCB), PCB 180	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.5.2 of EN 71-7/BS EN 71-7::2025
337.		Poly Chlorinated biphenyl (PCB), PCB 209	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.5.2 of EN 71-7/BS EN 71-7::2025
338.	Toys, Sports Equipment, Finger Paints and Similar Products	Poly Chlorinated biphenyl (PCB), PCB 28	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.5.2 of EN 71-7/BS EN 71-7::2025
339.		Poly Chlorinated biphenyl (PCB), PCB 52	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.5.2 of EN 71-7/BS EN 71-7::2025
340.		Bisphenol A	CEN/TS 13130-13:2005

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
341.	Leather, Sports Equipment and Similar Products	Determination of lead content	IS 12240 (Part 5):1988, Cl. 5.7 of IS 12254: 1993
342.	Paints- Container of Finger Paints	Label Containing warning of taste & smell	IS 9873-7:2017, ISO 8124-7: 2015, EN 71-7/BS EN 71-7:2025
343.	Finger paints	Azo-dyes-	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
344.	Finger Paints	aminobiphenyl	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
345.		Benzidine	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
346.		4-chloro-o-toluidine	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
347.	Finger Paints	2-naphthylamine	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
348.		o-aminoazotoluene	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
349.		2-amino-4-nitrotoluene	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
350.		p-chloroaniline	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
351.		2,4-diaminoanisole	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
352.	Finger Paints	4,4'-diaminodiphenylmethane	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
353.		3,3'-dichlorobenzidine	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
354.		3,3'-dimethoxybenzidine	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
355.		3,3'-dimethylbenzidine	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
356.		3,3'-dimethyl-4,4'-diaminodiphenylmethane	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
357.	Finger Paints	p-cresidine	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
358.		4,4'-methylen-bis(2-chloraniline)	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
359.		4,4'-oxydianiline	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
360.		4,4'-thiodianiline	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
361.		o-toluidine	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
362.	Finger Paints	2,4-toluylendiamine	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
363.		2,4,5-trimethylaniline	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
364.		2,4-dimethylaniline (=2,4-Xylidine)	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
365.		2,6-dimethylaniline (=2,6-Xylidine)	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
366.		2-methoxyaniline (=o-anisidine)	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
367.	Finger Paints	4-aminoazobenzene	Clause 4.2 and 4.5.1 of IS 9873-7:2017, Clause 4.2 and 4.5.1 of ISO 8124-7: 2015, / Clause 4.2 and 4.5.1 of EN 71-7/BS EN 71-7:2025
368.		General Requirement	Clause 4.1 of IS 9873-7:2017, Clause 4.1 of ISO 8124-7: 2015, Clause 4.1 of EN 71-7/BS EN 71-7:2025
369.		Polycyclic Aromatic Hydrocarbons (PAHs)-	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
370.		Benzo(a)pyrene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
371.		Benzo(e)pyrene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
372.		Benz(a)anthracene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015,

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
			Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
373.		Benzo(a)phenanthrene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
374.		Benzo(b)fluoranthene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
375.	Finger Paints	Benzo(j)fluoranthene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
376.		Benzo(k)fluoranthene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
377.		Dibenzo(a,h)anthracene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015,



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
			Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
378.		Naphthalene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
379.		Acenaphthylene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
380.	Finger Paints	Acenaphthene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
381.		Flourene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
382.		Phenanthrene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015,

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
			Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
383.		Anthracene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
384.		Fluoranthene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
385.	Finger Paints	Pyrene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
386.		Benzo(ghi)perylene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015, Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
387.		Indeno(1,2,3-cd) pyrene	Clause 4.5.2 of IS 9873-7:2017, Clause 4.5.2 of ISO 8124-7: 2015,



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
			Clause 4.5.2 of EN 71-7/BS EN 71-7:2025
388.		Labelling guideline	IS 9873-7:2017, ISO 8124-7: 2015, ISO 8124-7: 2015, EN 71-7/BS EN 71-7:2025
389.		Migration of Certain Elements Safety of Toys Part 3 Migration of Certain Elements, Antimony (Sb)	Clause 4.4 of IS 9873-7:2017, Clause 4.4 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.4 of EN 71-7/BS EN 71-7:2025, ASTM F963-23
390.		Migration of Certain Elements Safety of Toys Part 3 Migration of Certain Elements, Arsenic (As)	Clause 4.4 of IS 9873-7:2017, Clause 4.4 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.4 of EN 71-7/BS EN 71-7:2025, ASTM F963-23
391.	Finger Paints	Migration of Certain Elements Safety of Toys Part 3 Migration of Certain Elements, Barium (Ba)	Clause 4.4 of IS 9873-7:2017, Clause 4.4 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.4 of EN 71-7/BS EN 71-7:2025, ASTM F963-23
392.		Migration of Certain Elements Safety of Toys Part 3 Migration of Certain Elements, Cadmium (Cd)	Clause 4.4 of IS 9873-7:2017, Clause 4.4 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.4 of EN 71-7/BS EN 71-7:2025, ASTM F963-23

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
393.	Finger Paints	Migration of Certain Elements Safety of Toys Part 3 Migration of Certain Elements, Chromium (Cr)	Clause 4.4 of IS 9873-7:2017, Clause 4.4 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.4 of EN 71-7/BS EN 71-7:2025, ASTM F963-23
394.		Migration of Certain Elements Safety of Toys Part 3 Migration of Certain Elements, Lead (Pb)	Clause 4.4 of IS 9873-7:2017, Clause 4.4 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.4 of EN 71-7/BS EN 71-7:2025, ASTM F963-23
395.		Migration of Certain Elements Safety of Toys Part 3 Migration of Certain Elements, Mercury (Hg)	Clause 4.4 of IS 9873-7:2017, Clause 4.4 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.4 of EN 71-7/BS EN 71-7:2025, ASTM F963-23
396.		Migration of Certain Elements Safety of Toys Part 3 Migration of Certain Elements, Selenium (Se)	Clause 4.4 of IS 9873-7:2017, Clause 4.4 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.4 of EN 71-7/BS EN 71-7:2025, ASTM F963-23
397.		pH Value	Clause 4.7 of IS 9873-7:2017, Clause 4.7 of ISO 8124-7: 2015, ISO 8124-7: 2015, Clause 4.7 of EN 71-7/BS EN 71-7:2025, ISO 787-9: 2019

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
398.		Preservatives: 2- phenylphenol (OPP), MIT, Triclosan	Clause 4.3 of IS 9873-7:2017, Clause 4.3 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.3 of EN 71-7/BS EN 71-7:2025
399.		Taste and Smell: Naringin (10236-47-2), Denatonium Benzoate (3734-33-6)	Clause 4.6 of IS 9873-7:2017, Clause 4.6 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.6 of EN 71-7/BS EN 71-7:2025
400.	Finger Paints	Visual Check of Binding agents, extendors, humectants and surfactants	Clause 4.8 of IS 9873-7:2017, Clause 4.8 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.8 of EN 71-7/BS EN 71-7:2025
401.		impurities in Finger Paints:1) Hexachlorobenzene (CAS No. 118-74-1)	Clause 4.6 of IS 9873-7:2017, Clause 4.6 of ISO 8124-7: 2015, ISO 8124-7: 2015/ Clause 4.6 of EN 71-7/BS EN 71-7:2025
402.	Toys, Sports Equipment, Wood and Similar Products	Moisture contents	EN/BS EN 13183-1:2002
403.	Hazardous & Restricted Chemicals: Toys and sports equipment, Computing &	Determination of total concentration of certain elements. Lead (Pb)Cadmium	IS 9873: Part 5: 2017, ISO 8124-5:2015 DIN 54233-1:2010 PDCR13695-1:2000 PDCR13695-

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous & Restricted Chemicals		
	Communications Equipment, Consumer Electronics, ROHS, Lighting: Lamps, Lighting, Fixtures, Light Bulbs, Power Tools, Small Household appliances, Large Household Appliances, Plastics & Other Polymeric Products, Prints, Paints, Other (Accessories & Apparels)	(Cd) Aluminium (Al) Antimony (Sb) Arsenic (As) Barium (Ba) Boron(B) Chromium (Cr) Cobalt (Co)Copper (Manganese (Mn) Mercury (Hg) Nickel (Ni) Selenium (Se) Strontium (Sr) Tin (Sn) Zinc (Zn) Ferrous (Fe)	2:2004 The European Directive94/62/EC1 on packaging and packaging waste, and the regulation of the Coalition of Northeastern Governors (CONEG) EN/BS EN 16711-1:2015 ISO 17072-2:2011 GB/T30157-2013 CPSC CHE1001-08.3: Nov15,2012CPSC-CHE1002-08.3: Nov15,2012CPSC-CH-E1003-09.1: Feb25,2011 16 CFR Part 1303:2018: 2018
404.	Leather Accessories and Products Textile &Textile Products	Determination of total concentration of certain elements. Lead (Pb)Cadmium (Cd) Aluminium (Al) Antimony (Sb) Arsenic (As) Barium (Ba) Boron(B) Chromium (Cr) Cobalt (Co)Copper (Cu Manganese (Mn) Mercury (Hg) Nickel (Ni) Selenium (Se) Strontium (Sr) Tin (Sn) Zinc (Zn) Ferrous (Fe)	IS 9873: Part 5: 2017, ISO 8124-5:2015 DIN 54233-1:2010 PDCR13695-1:2000 PDCR13695-2:2004 The European Directive94/62/EC1 on packaging and packaging waste, and the regulation of the Coalition of Northeastern Governors (CONEG) EN/BS EN 16711-1:2015 ISO 17072-2:2011 GB/T30157-2013 CPSC

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Chemical Testing			
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	Hazardous & Restricted Chemicals		
			CHE1001-08.3: Nov15,2012CPSC- CHE1002-08.3: Nov15,2012CPSC-CH- E1003-09.1: Feb25,2011 16 CFR Part 1303:2018: 2018



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
1.	Textiles	Textile yarns	IS 17261: 2022, IS 17262: 2022, IS 17263: 2022, IS 17264: 2022, IS 17265: 2022. ref IS -6481, IS 3456
2.		Isophthalic acid (IPA) content,	IS 17261: 2022, IS 17262: 2022, IS 17263: 2022, IS 17264: 2022, IS 17265: 2022. ref IS 6481, IS 3456
3.		Water soluble matter	IS 17261: 2022, IS 17262: 2022, IS 17263: 2022, IS 17264: 2022, IS 17265: 2022. ref IS 6481, IS 3456
4.		Finish Oil Pick up	IS 17261: 2022, IS 17262: 2022, IS 17263: 2022, IS 17264: 2022, IS 17265: 2022. ref IS 6481, IS 3456
5.		Phosphorus content	IS 17261: 2022, IS 17262: 2022, IS 17263: 2022, IS 17264: 2022, IS 17265: 2022. ref IS 6481, IS 3456
6.		Colour strength with reference to standard yarn, percent	IS 17261: 2022, IS 17262: 2022, IS 17263: 2022, IS 17264: 2022, IS 17265: 2022. ref IS 6481, IS 3456



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Lubricants		
1.	Petroleum Products, Lubricating Oils, Chemicals, Polymers	Water Content by Karl Fischer Titration	ASTM D6304, DIN EN ISO 12937, ASTM D7923
2.		Penetration of chemicals	EN 374-2
3.		Degradation with chemical contact	EN 374-4
4.		Permeation of chemicals	EN 374-5, EN 16523-1



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Industrial & Fine Chemicals		
1.	Caustic Soda	Sodium carbonate (as Na ₂ CO ₃), percent by mass	IS 252: 2013
2.		Sodium hydroxide (as NaOH), percent by mass,	IS 252: 2013
3.		Chlorides (as Cl), percent by mass	IS 252: 2013
4.		Sulphates (as SO ₄ ²⁻), percent by mass	IS 252: 2013
5.		Silicates (as SiO ₂), percent by mass	IS 252: 2013
6.		Iron (as Fe)	IS 252: 2013
7.		Copper (as Cu)	IS 252: 2013
8.		Manganese (as Mn)	IS 252: 2013
9.		Chlorates and Perchlorates (as NaClO ₃)	IS 252: 2013
10.		Matter Insoluble in water, % by mass	IS 252: 2013
11.		Total Mercury (as Hg),	IS 252: 2013
12.		Sodium Hydroxide (as NaOH), % by mass on dry basis	IS 252: 2013

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Industrial & Fine Chemicals		
13.	Caustic Soda	Packing	IS 252: 2013
14.		Marking	IS 252: 2013
15.	Boric Acid	Boric acid (as H ₃ BO ₃), percentage by mass	IS 10116:2015
16.		Moisture percent by mass	IS 10116:2015
17.		Water insoluble matter, percent by mass	IS 10116:2015
18.		Lead (as Pb), percent by mass	IS 10116:2015
19.		Iron (as Fe), percentage by mass,	IS 10116:2015
20.		Calcium (as Ca), percent by mass	IS 10116:2015
21.		Arsenic (as As), percent by mass	IS 10116:2015
22.		Sodium (as Na), percent by mass	IS 10116:2015
23.		Chloride (Cl), percent by mass	IS 10116:2015
24.		Sulphate (as SO ₄), percent by mass	IS 10116:2015

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Industrial & Fine Chemicals		
25.	Boric Acid	Phosphate (PO ₄), percent by mass	IS 10116:2015
26.		Marking	IS 10116:2015
27.	Morpholine	Purity (as Morpholine), percent by mass	IS 12084: 2018
28.		Relative density	IS 12084: 2018
29.		Residue, on evaporation	IS 12084: 2018
30.		Ash content	IS 12084: 2018
31.		Iron (as Fe)	IS 12084: 2018
32.		Copper (as Cu)	IS 12084: 2018
33.		Nickel (as Ni)	IS 12084: 2018
34.		Silica (as SiO ₂)	IS 12084: 2018
35.		Chloride (as Cl)	IS 12084: 2018
36.	Barium Carbonate for Ceramic and Glass Industry	Barium (as Ba), percent by mass	IS 12928: 1990
37.		Volatile Matter, percent by mass	IS 12928: 1990

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Industrial & Fine Chemicals		
38.	Barium Carbonate for Ceramic and Glass Industry	Matter Insoluble in Hydrochloric acid	IS 12928: 1990
39.		Free alkali	IS 12928: 1990
40.		Water soluble sulphide (as S), percent by mass	IS 12928: 1990
41.		Sulphur (as SO ₄), percent by mass	IS 12928: 1990
42.		Alkali and other metal sulphates (as BaSO ₄), percent by mass	IS 12928: 1990
43.		Sodium oxide (as Na ₂ O), percent by mass	IS 12928: 1990
44.		Total iron (as Fe ₂ O ₃), percent by mass	IS 12928: 1990
45.		Tap density, g/ml	IS 12928: 1990
46.		Packing	IS 12928: 1990
47.		Marking	IS 12928: 1990
48.	Phosphorous Pentachloride	Phosphorus Pentachloride (as PCl ₅), percent by mass	IS 11744: 2020
49.		Bulk Density	IS 11744: 2020

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Industrial & Fine Chemicals		
50.	Phosphorous Pentachloride	Iron	IS 11744: 2020
51.		Lead	IS 11744: 2020
52.		Sulphate	IS 11744: 2020
53.	Sodium Formaldehyde Sulphoxylate	Sodium formaldehyde sulphoxylate dihydrate, percent by mass	IS 4505:2015
54.		pH	IS 4505:2015
55.		Iron	IS 4505:2015
56.		Copper	IS 4505:2015
57.		Zinc	IS 4505:2015
58.	Phthalic Anhydride	Crystallizing Point	IS 5158 :2025
59.		Free Acidity, percent by mass	IS 5158 :2025
60.		Total available acidity, percent by mass	IS 5158 :2025
61.		Ash, ppm	IS 5158 :2025
62.		Iron content, ppm	IS 5158 :2025

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Industrial & Fine Chemicals		
63.	Phthalic Anhydride	Naphtha Quin-one, ppm	IS 5158 :2025
64.		Naphthalene	IS 5158 :2025
65.	Ether	Odour,	IS 336: 2021
66.		Solubility	IS 336: 2021
67.		Relative Density	IS 336: 2021
68.		Peroxides	IS 336: 2021
69.		Distillation Range	IS 336: 2021
70.		Residue on evaporation	IS 336: 2021
71.		Methyl Alcohol	IS 336: 2021
72.		Aldehydes and Acetones	IS 336: 2021
73.		Sulphurous acid and other free acids	IS 336: 2021
74.		Total Alkalinity	IS 7129: 2021
75.	Potassium Carbonate Anhydrous	Potassium bicarbonate	IS 7129: 2021
76.		Determination of Sulphates	IS 7129: 2021
77.		Chlorides	IS 7129: 2021

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Industrial & Fine Chemicals		
78.	Potassium Carbonate Anhydrous	Matter insoluble in water	IS 7129: 2021
79.		Iron (as Fe)	IS 7129: 2021
80.		Lead (as Pb)	IS 7129: 2021
81.		Determination of loss on Heating at 150°C	IS 7129: 2021
82.		Determination of sodium	IS 7129: 2021
83.		Determination of calcium	IS 7129: 2021
84.		Determination of Magnesium	IS 7129: 2021
85.	Soda Ash	Bulk Density	IS 251:2024
86.		Volatile Matter Content	IS 251:2024
87.		Total Alkalinity	IS 251:2024
88.		Matter Insoluble in Water	IS 251:2024
89.		Sulphate	IS 251:2024
90.		Chloride	IS 251:2024

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Industrial & Fine Chemicals		
91.		Iron	IS 251:2024
92.	Vinyl Acetate Monomer	Acidity (as acetic acid), % by mass (max)	IS 12345:2024
93.		Vinyl Acetate Content (as ester), % (min)	IS 12345:2024
94.		Aldehyde (as acetaldehyde), % by mass	IS 12345:2024
95.		Moisture, % by mass (max)	IS 12345:2024
96.		Distillation Range at 760 mm Hg	IS 12345:2024
97.		Specific Gravity (20 °C / 20 °C)	IS 12345:2024
98.		Inhibitor Content: Hydroquinone (ppm)	IS 12345:2024
99.		Inhibitor Content: Diphenylamine (ppm)	IS 12345:2024
100.		Polymer Content, % by mass	IS 12345:2024
101.	p-Xylene	Purity (p-Xylene), % by mass	IS 17370:2023
102.		m-Xylene content, % by mass	IS 17370:2023

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Industrial & Fine Chemicals		
103.		o-Xylene content, % by mass	IS 17370:2023
104.	p-Xylene	Toluene content, % by mass	IS 17370:2023
105.		Ethylbenzene content, % by mass	IS 17370:2023
106.		Non-aromatic hydrocarbons, %	IS 17370:2023
107.		Sulphur, mg/kg	IS 17370:2023
108.		Appearance	IS 17370:2023
109.		Toluene Content (% by mass)	IS 537:2025
110.	Toluene	Appearance	IS 537:2025
111.		Relative Density @ 15.56°C / 20°C	IS 537:2025
112.		Total Sulphur (ppm)	IS 537:2025
113.		Distillation Range	IS 537:2025
114.		Non-aromatic Hydrocarbons (% by mass)	IS 537:2025
115.		Benzene Content (mg/kg)	IS 537:2025

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Industrial & Fine Chemicals		
116.		Water Content (ppm)	IS 537:2025
117.		Assay (Purity by GC)	IS 14707:1999
118.		Acidity (as Acrylic Acid)	IS 14707:1999
119.	Methyl Acrylate	Colour (Pt-Co scale)	IS 14707:1999
120.		Water Content (Karl Fischer)	IS 14707:1999
121.		Inhibitor Content (MEHQ)	IS 14707:1999
122.		Assay (by Nitrite Value) – on dry basis	IS 18340:2023
123.		Hydrolysis Value	IS 18340:2023
124.	Vinyl Sulphone	Matter Insoluble in Sodium Carbonate Solution	IS 18340:2023
125.		4-Chloroaniline Content (by HPLC)	IS 18340:2023
126.		Moisture (% by mass), Max	IS 12068:1987
127.	Rice Bran Fatty Acids	Saponification Value	IS 12068:1987
128.		Acid Value (Diff. from SV), Max	IS 12068:1987

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Industrial & Fine Chemicals		
129.		Iodine Value, Max	IS 12068:1987
130.		Mineral Acidity	IS 12068:1987
131.	Rice Bran Fatty Acids	Ash (% by mass), Max	IS 12068:1987
132.		Unsaponifiable Matter (% by mass), Max	IS 12068:1987
133.		Total Fatty Matter (TFM), % by mass, Min	IS 12029:2023
134.	Acid Oil	Moisture and Volatile Matter, %, Max	IS 12029:2023
135.		Free Fatty Acids, % by mass, Min	IS 12029:2023
136.		Free Mineral Acid (as H ₂ SO ₄), %, Max	IS 12029:2023
137.		Unsaponifiable Matter, %, Max (on TFM)	IS 12029:2023
138.		Oxidized Fatty Acid, %, Max (on TFM)	IS 12029:2023
139.		Iron, ppm, Max	IS 12029:2023
140.		Ash, %, Max	IS 12029:2023

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Industrial & Fine Chemicals		
141.	Maleic Anhydride	Crystallizing Point (°C)	IS 5149:2020
142.	Maleic Anhydride	Maleic Acid Content (% by mass)	IS 5149:2020
143.		Maleic Anhydride Content (% by mass)	IS 5149:2020
144.		Ash Content (% by mass)	IS 5149:2020
145.		Iron Content (as Fe, ppm)	IS 5149:2020
146.		Aluminium	IS 798: 2020
147.	Orthophosphoric Acid	Antimony	IS 798: 2020
148.		Arsenic	IS 798: 2020
149.		Calcium	IS 798: 2020
150.		Chlorides	IS 798: 2020
151.		Iron	IS 798: 2020
152.		Lead	IS 798: 2020
153.		Magnesium	IS 798: 2020

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Industrial & Fine Chemicals		
154.		Manganese	IS 798: 2020
155.	Orthophosphoric Acid	Mercury	IS 798: 2020
156.		Molybdenum	IS 798: 2020
157.		Nitrates	IS 798: 2020
158.		Oxygen absorbed	IS 798: 2020
159.		Relative Density	IS 798: 2020
160.		Silica	IS 798: 2020
161.		Sulphates	IS 798: 2020
162.		Volatile acids	IS 798: 2020
163.		Orthophosphoric acid (H ₃ PO ₄), percent by mass, Min	IS 798: 2020
164.	Polyphosphoric Acid	Manganese	IS 17439: 2020
165.		Aluminium	IS 17439: 2020
166.		Antimony	IS 17439: 2020

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Industrial & Fine Chemicals		
167.	Polyphosphoric Acid	Arsenic	IS 17439: 2020
168.		Calcium	IS 17439: 2020
169.		Chlorides	IS 17439: 2020
170.		Iron	IS 17439: 2020
171.		Lead	IS 17439: 2020
172.		Magnesium	IS 17439: 2020
173.		Mercury	IS 17439: 2020
174.		Molybdenum	IS 17439: 2020
175.		Nitrates	IS 17439: 2020
176.		Phosphoric acid H ₃ PO ₄ (percent by mass)	IS 17439: 2020
177.		Phosphorus pentoxide P ₂ O ₅ (percent by mass)	IS 17439: 2020
178.		Relative density	IS 17439: 2020
179.		Silica	IS 17439: 2020

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Industrial & Fine Chemicals		
180.		Sulphates	IS 17439: 2020

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
1.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical)	Alkyl Phenol -AP (OP And NP) and C648:C673 Alkyl phenol Ethoxylates Analysis - APEO (NPEO and OPEO)	NP/OP: ISO 18857-2 (modified dichloromethane extraction) or ASTM D7065 (GC-MS or LC-MS(-MS)) OPEO/NPEO (n>2): ASTM D7742 ISO 18857-2
2.	Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	Anti- Microbials & Biocides, Table 1B-	USEPA 8270E Solvent extraction, derivatisation with KOH, acetic anhydride followed by GC-MS BS EN 12673-1999 an alternative method of solvent extraction and derivatisation are included
3.		o-Phenylphenol (+salts)	USEPA 8270E Solvent extraction, derivatisation with KOH, acetic anhydride followed by GC-MS BS EN

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
			12673-1999 an alternative method of solvent extraction and derivatisation are included
4.		Triclosan	USEPA 8270E Solvent extraction, derivatisation with KOH, acetic anhydride followed by GC-MS BS EN 12673-1999 an alternative method of solvent extraction and derivatisation are included
5.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical)	Permethrin	USEPA 8270E Solvent extraction, derivatisation with KOH, acetic anhydride followed by GC-MS BS EN 12673-1999 an alternative method of solvent extraction and derivatisation are included
6.	Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	Chlorinated Paraffins, Table 1C-Medium-chain Chlorinated paraffins (MCCPs) (C14-C17)	Preparation: EPA 3510 Analysis: ISO18219-2:2021 Method for MCCP with GC-MS(NCI) or LC-MS/MS, ISO Dichloromethane extraction
7.		Short-chain Chlorinated paraffin (C10 – C13)	Preparation EPA 3510 Analysis: ISO18219-1:2021, ISO 12010:2019

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
			Methods for SCCP with GC-MS(NCI) or LC-MS/MS
8.		Chlorobenzenes and Chlorotoluenes, Table 1D-Hexachlorobenzene	EN17137:2024
9.		1,2,3-trichlorobenzene	EN17137:2024
10.		1,2,4-trichlorobenzene	EN17137:2024
11.		1,3,5-trichlorobenzene	EN17137:2024
12.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	1,2,3,4-tetrachlorobenzene	EN17137:2024
13.		1,2,3,5-tetrachlorobenzene	EN17137:2024
14.		1,2,4,5-tetrachlorobenzene	EN17137:2024
15.		Pentachlorobenzene	EN17137:2024
16.		Monochlorobenzene	EN17137:2024
17.		1,3-dichlorobenzene	EN17137:2024
18.		1,4-dichlorobenzene	EN17137:2024
19.		1,2-dichlorobenzene	EN17137:2024

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
20.		2-chlorotoluene	EN17137:2024
21.		3-chlorotoluene	EN17137:2024
22.		4-chlorotoluene	EN17137:2024
23.		2,3-dichlorotoluene	EN17137:2024
24.		2,5-dichlorotoluene	EN17137:2024
25.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	2,6-dichlorotoluene	EN17137:2024
26.		2,4-dichlorotoluene	EN17137:2024
27.		3,4-dichlorotoluene	EN17137:2024
28.		2,3,6-trichlorotoluene	EN17137:2024
29.		2,4,5-trichlorotoluene	EN17137:2024
30.		Tetra chlorotoluene	EN17137:2024
31.		2,3,4,5,6-pentachlorotoluene	EN17137:2024
32.		N, N-dimethylacetamide (DMAC)	solvent extraction ISO/TS 16189



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
33.		N, N-di-methyl formamide (DMFa), Table 1F-	ISO/TS 16189
34.		Dyes -Allergenic disperse dyes 1F	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
35.		C.I disperse blue 7	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
36.		C.I. Disperse Blue 26	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
37.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	C.I. Disperse Blue 35	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
38.		C.I. Disperse Blue 102	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
39.		C.I. Disperse Blue 106	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
40.		C.I. Disperse Blue 124	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
41.		C.I. Disperse Brown 1	Liquid extraction, LC-DAD, Ref method-ISO 16373-2& 3: 2014,
42.		C.I. Disperse Orange 1	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
43.		C.I. Disperse Orange 3	Liquid extraction, LC-DAD, Ref method-ISO 16373- 2&3: 2014,

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
44.		C.I. Disperse Orange 37/59/76	Liquid extraction, LC-DAD, Ref method-ISO 16373- 2&3: 2014,
45.		C.I. Disperse Red 1	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
46.		C.I. Disperse Red 11	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
47.		C.I. Disperse Red 17	Liquid extraction, LC-DAD, Ref method-ISO 16373- 2&3: 2014,
48.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	C.I. Disperse Yellow 1	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
49.		C.I. Disperse Yellow 3	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
50.		C.I. Disperse Yellow 9	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
51.		C.I. Disperse Yellow 39	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
52.		C.I. Disperse Yellow 49	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
53.		C.I. Acid Red 26	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
54.		C.I. Acid Violet 49	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
55.		C.I. Basic Blue 26	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
56.		C.I. Basic Green 4 Malachite Green Chloride)	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
57.		C.I. Basic Green 4 Malachite Green Oxalate)	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
58.		C.I. Basic Green 4 (Malachite Green)	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
59.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	C.I. Basic Green 4 leuco base	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
60.		C.I. Basic Red 9	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
61.		C.I. Basic Violet 14	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
62.		C.I. Basic violet 3 with Michler's Ketone> 0.1%)	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
63.		C.I. Direct Black 38	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
64.		C.I Direct Blue 6	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
65.		C.I. Direct Red 28	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
66.		C.I. Disperse Blue 1	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
67.		C.I. Disperse Blue 3	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
68.		C.I. Disperse Orange 11	Liquid extraction, LC-DAD, Ref method-ISO 16373- 3: 2014,
69.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	Flame Retardants, Table 1H	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
70.		2,2-Bis (bromomethyl) -1,3-propanediol (BBMP)	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
71.		Bis(2,3-dibromopropyl) phosphate (BDBPP)	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
72.		Boric acid	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
73.		Decabromobiphenyl (DecaBB)	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
74.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	Decabromodiphenyl ether (DecaBDE)	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
75.		Diboron trioxide	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
76.		Dibromobiphenyls (DiBB)	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
77.		Disodium octaborate	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
78.		Disodium tetraborate, anhydrous	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
79.		Heptabromodiphenyl ether (HeptaBDE)	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
80.		Hexabromocyclodecane (HBCDD)	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
81.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	Hexabromobiphenyl ether (HexaBDE)	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
82.		Monobromobiphenyls (MonoBB)	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
83.		Monobromodiphenyl ether (MonoBDEs)	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
84.		Nonabromobiphenyls (NonaBB)	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
85.		Nonabromodiphenylether (NonaBDE)	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
86.		Octabromobiphenyls (OctaBB)	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
87.		Octabromodiphenyl ether (OctaBDE)	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
88.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	Pentabromodiphenyl ether (PentaBDE)	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
89.		Tetraboron disodium heptaoxide, hydrate	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
90.		Tetrabromobisphenol A (TBBPA)	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
91.		Tetrabromodiphenyl ether (TetraBDE)	USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS
92.		Tri-o-cresyl phosphate	USEPA 8270E Liquid extraction, GC-MS
93.		Tris (1-aziridinyl)	USEPA 8270E Liquid extraction, GC-MS
94.		phosphine oxide (TEPA)	USEPA 8270E Liquid extraction, GC-MS
95.		Tris (1,3-dichloro- isopropyl) phosphate (TDCP)	USEPA 8270E Liquid extraction, GC-MS
96.		Tris (2 -chloro-1 methyl ethyl) phosphate (TCPP)	USEPA 8270E Liquid extraction, GC-MS

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
97.		Tris (2-chloroethyl) phosphate (TCEP)	USEPA 8270E Liquid extraction, GC-MS
98.		Tris 2,3, -dibromopropyl) phosphate (TRIS)	USEPA 8270E Liquid extraction, GC-MS
99.		Trixylyl phosphate (TXP)	USEPA 8270E Liquid extraction, GC-MS
100.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	2-Ethoxyethanol	USEPA 8270E Liquid extraction, GC-MS
101.		2-Ethoxyethyl acetate, 2-Methoxypropanol, 2-Methoxypropyl acetate, Bis(2-methoxyethyl) ether, Ethylene glycol dimethyl ether, 2methoxyethyl acetate, Triethylene glycol dimethyl ether.	USEPA 8270E Liquid extraction, GC-MS
102.		1,2-dichloroethane	SOP for Halogenated Solvent SOP-52 using GC MS
103.		Methylene chloride	SOP for Halogenated Solvent SOP-52 using GC MS
104.		Tetrachloroethylene	SOP for Halogenated Solvent SOP-52 using GC MS

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
105.		Trichloroethylene	SOP for Halogenated Solvent SOP-52 using GC MS
106.		Organic solvents, NMP and NEP	SOP for Halogenated Solvent SOP-52 using GC MS
107.		N, N-Dimethylacetamide (DMAC)	SOP for Halogenated Solvent SOP-52 using GC MS
108.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	Organotin Compounds, Table 1M-	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS
109.		Monobutyltin (MBT)	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS
110.		Dibutyltin (DBT)	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS
111.		Tributyltin (TBT)	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS
112.		Triphenyl tin (TPHT)	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
113.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	Diocetyl tin (DOT)	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS
114.		Monooctyltin (MOT)	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS
115.		Diphenyltin (DPhT)	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS
116.		Tetrabutyltin (TeBT), Dipropyltin (DPT)	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS
117.		Tricyclohexyltin (TCyT);	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS
118.		Tripropyltin (TPT)	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS
119.		Tetraethyltin (TeET)	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
120.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	Bis(tributyltin) oxide (TBTO)	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS
121.		Dibutyltin dichloride (DBTC)	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS
122.		Triphenyltin (TPT)	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS
123.		Dibutyltin hydrogen borate (DBB)	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS
124.		Mono, Di,Tri,methyltin (DMT);	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS
125.		Tri-Tetra octyltin (TOT, TeOT));	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS
126.		Trimethyltin (TMT)	DIN EN ISO 17353:2005-11 Derivatisation with NaB (C ₂ H ₅) GC-MS

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
127.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	Bisphenol A	EPA 8270E ,Ref EN 17137:2018
128.		Thiourea	EPA 8270E, Ref EN 17137:2018
129.		Quinoline	EPA 8270E, Ref EN 17137:2018
130.		Phthalates-	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS
131.		1,2-benzenedicarboxylic acid (DIHP)	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS
132.		1,2-benzenedicarboxylic acid (DHNUP)	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS
133.		Bis(2-methoxyethyl) phthalate (DMEP)	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS
134.	Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	Butyl benzyl phthalate (BBP)	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS
135.		Di-cyclohexyl phthalate (DCHP)	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS
136.		Di-iso-decyl phthalate (DIDP)	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS
137.		Di-iso-octyl phthalate (DIOP)	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS

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	Pollution & Environment		
138.		Di-isobutyl phthalate (DIBP)	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS
139.		Di-isononyl phthalate (DINP)	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS
140.		Di-n-hexyl phthalate (DnHP)	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS
141.		Di-n-octyl phthalate (DNOP)	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS
142.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	Di-n-pentylphthalates	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS
143.		Di-n-propyl phthalate (DPRP)	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS
144.		Di(ethylhexyl) phthalate (DEHP)	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS
145.		Dibutyl phthalate (DBP)	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS
146.		Diethyl phthalate (DEP)	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS
147.		Diisopentylphthalates	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS
148.		Dinonyl phthalate (DNP)	USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
149.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	Polycyclic Aromatic Hydrocarbons (PAHs)-	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
150.		Acenaphthene	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
151.		Acenaphthylene	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
152.		Anthracene	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
153.		Benzo[a]anthracene	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
154.		Benzo[a]pyrene (BaP)	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
155.		Benzo[b]fluoranthene	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
156.		Benzo[e]pyrene	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
157.		Benzo[ghi]perylene	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
158.		Benzo[j]fluoranthene	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
159.		Benzo[k]fluoranthene	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
160.		Chrysene	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
161.		Dibenz[a,h]anthracene	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
162.		Fluoranthene	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
163.		Fluorene	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
164.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	Indeno[1,2,3-cd] pyrene	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
165.		Naphthalene	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
166.		Phenanthrene	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
167.		Pyrene	USEPA 8270E DIN 38407-39 Solvent extraction GC-MS
168.		Aromatic Amines-	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
169.		2-naphthylamine	Reduction step with sodium dithionite, solvent extraction USEPA

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
			8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
170.		2-Naphthylammoniumacetate	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
171.		2,4-xylidine	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
172.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge)	2,4,5-trimethylaniline and its salt	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
173.	ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water	2,6-xylidine	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
174.	ZDHC (Zero Discharge of Hazardous Chemical)	3,3'-dichlorobenzidine	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
175.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	3,3-dimethoxybenzidine	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
176.		3,3-dimethylbenzidine	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
177.		4-aminoazobenzene	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
178.		4-aminodiphenyl	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
179.		4-chloro-o-toluidine	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
180.		4-chloroaniline	Reduction step with sodium dithionite, solvent extraction USEPA

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
			8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
181.		4-methoxy-m-phenylenediamine	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
182.		4-methyl-m-phenylenediamine	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
183.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge)	4,4-methylenebis-(2-chloro-aniline)	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
184.	ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water	4,4-methylenedi-o-toluidine	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
185.	ZDHC (Zero Discharge of Hazardous Chemical)	4,4-methylenedianiline	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
186.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	4,4-oxydianiline	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
187.		4,4-thiodianiline	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
188.		5-nitro-o-toluidine	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
189.		6-methoxy-m-toluidine	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
190.		Benzidine	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
191.		o-aminoazotoluene	Reduction step with sodium dithionite, solvent extraction USEPA

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
			8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
192.		o-anisidine	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
193.		o-toluidine	Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1 and ISO 14362- 3 GC/MS
194.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge)	UV Absorbers-	USEPA 8270 ISO 22032, USEPA 527 and USEPA 8321B. Dichloromethane extraction GC-MS DIN EN 62321-6,
195.	ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water	2-(2H-benzotriazol-2-yl)-4- (tert-butyl)-6-(sec- butyl) phenol (UV-350)	USEPA 8270 ISO 22032, USEPA 527 and USEPA 8321B. Dichloromethane extraction GC-MS DIN EN 62321-6,
196.	(After ETP) Raw Waste Water (Before ETP) Incoming Water	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	USEPA 8270 ISO 22032, USEPA 527 and USEPA 8321B. Dichloromethane extraction GC-MS DIN EN 62321-6,
197.	ZDHC (Zero Discharge of Hazardous Chemical)	2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320)	USEPA 8270 ISO 22032, USEPA 527 and USEPA 8321B. Dichloromethane extraction GC-MS DIN EN 62321-6,

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
198.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl) phenol (UV-327)	USEPA 8270 ISO 22032, USEPA 527 and USEPA 8321B. Dichloromethane extraction GC-MS DIN EN 62321-6,
199.		Volatile Organic Compounds (VOC)-	SOP for Volatile Organic Compounds SOP-14 using GC MS
200.		Benzene	SOP for Volatile Organic Compounds SOP-14 using GC MS
201.		m-cresol	SOP for Volatile Organic Compounds SOP-14 using GC MS
202.		o-cresol	SOP for Volatile Organic Compounds SOP-14 using GC MS
203.		p-cresol	SOP for Volatile Organic Compounds SOP-14 using GC MS
204.		Xylene	SOP for Volatile Organic Compounds SOP-14 using GC MS
205.		Toluene	SOP for Volatile Organic Compounds SOP-14 using GC MS
206.		Heavy metals-	ISO 17294-1:2024, ISO 17294-2:2023, IS 3025 (Part 65):2025,
207.		Antimony	IS 3025 (Part 41):2023, With reference to USEPA 200.7:1994,

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	Pollution & Environment		
			USEPA 200.8:1994, USEPA6010c:2000,
208.		Chromium (VI)	USEPA6020a:1998, Acid Digestion with analysisFor CrVI- USEPA218.6, EPA 200.8-SIM EPA 6020A-SIM EPA 245.1 EPA
209.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	Barium	245.7 with reference to USEPA 218.6:1994 derivatisation followed by UV analysis, ISO 18412:2005
210.		Selenium	USEPA 3051A
211.		Tin	USEPA 3051A
212.		Arsenic	USEPA 3051A
213.		Chromium total	USEPA 3051A
214.		Cobalt	USEPA 3051A
215.		Cadmium	USEPA 3051A
216.		Copper	USEPA 3051A
217.		Lead	USEPA 3051A

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	Pollution & Environment		
218.		Nickel	USEPA 3051A
219.		Silver	USEPA 3051A
220.		Zinc	USEPA 3051A
221.		Mercury	USEPA 3051A
222.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical)	PH	ISO 10523:2008, IS 3025 (Part 11):2022 Electrometric
223.		PH	S 3025 (Part 11) Electrometric; by pH meter
224.		D4, D5, D6	Tagewa method by GC-MS / GC-FID
225.		Colour (436nm, 525nm, 620nm)	ISO 7887-B
226.		Persistent Foam	visual
227.		Ammonium-Nitrogen	ISO 11732:2005, ISO 7150:1984, IS 3025 (Part 34):1988
228.		Biochemical Oxygen Demand 5-days concentration (BOD)	ISO 5815-1:2019, IS 3025 (Part 44):2023

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Pollution & Environment		
229.		Chemical Oxygen Demand (COD)	ISO 6060:1989, ISO 15705:2002, IS 3025 (Part 58):2023
230.		Dissolved Oxygen (DO):	ISO 5814, EPA 360.1, SM 4500-O-G
231.		Oil & Grease	ISO 9377-2:2000, IS 3025 (Part 39):2021, USEPA 1664 revision B
232.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge) ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	Total Phenols / Phenol Index	ISO 6439:1990, IS 3025 (Part 43):1992, ISO 14402/IS 3025-11
233.		Total Nitrogen	ISO 11905 - Part 1:1997 ISO 29441:2010, IS 3025 (Part 34):1988
234.		Total Phosphorus	ISO 17294-1:2024, ISO 17294-2:2023, ISO 11885:2007,
235.		Total Chlorine	DPD Colorimetric Method with reference ISO 7393-2/EPA 330.5/SM4500-Cl G
236.		Total Phosphorus	ISO 6878/ IS 3025-31
237.		Chloride	ISO 10304-1, ISO 15923-1, IS 3025 (Part 32)

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	Pollution & Environment		
238.		Total Suspended Solids (TSS)	ISO 11923:1997, IS 3025 (Part 17):2022
239.		Total Suspended Solids (TSS)	103°C to 105°C
240.		Sulfide	ISO 10530:1993, IS 3025 (Part 29):2022
241.	Waste Water, Incoming water, Sludge, Dyes and Chemicals (Effluents/ Sewage/Sludge)	Sulfite	ISO 10304-3:1997
242.		Sulfate	IS 3024-24
243.	ZDHC (Zero Discharge of Hazardous Chemical) Discharged Waste Water (After ETP) Raw Waste Water (Before ETP) Incoming Water ZDHC (Zero Discharge of Hazardous Chemical)	Total Dissolved Solids (TDS)	IS 3025 (Part 16):2023 179°C to 181°C, USEPA 160.1: 2022

