GLOBAL ACCEPTANCE

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BANGLADESH ACCREDITATION BOARD

ACCREDITATION CERTIFICATE

Issued under the authority of Bangladesh Accreditation Act, 2006
by Bangladesh Accreditation Board (BAB), Ministry of Industries to

SGS Bangladesh Limited

Noor Tower (2nd, 6th – 10th & 13th floor),

110 Bir Uttam C. R. Datta Road, Dhaka-1205, Bangladesh.

This is to certify that this

Testing Laboratory
is accredited in accordance with the international standard

ISO/IEC 17025:2017
in respect of the associated scope, subject to the terms and conditions governing the relevant conformity assessment body (CAB) accreditation.

Certificate Number	:	**01.003.12**
Accreditation Date	:	**04 November 2012**
Date of Issuance	:	**20 December 2023**
Date of Expiration	:	**03 November 2026**

CERT. NO. 01.003.12
BAB
BANGLADESH ACCREDITATION BOARD
Accredited for ISO/IEC 17025:2017

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Sheikh Faezul Amin
Director General

This certificate must be returned on request; reproduction must follow BAB guidelines. For the specific scopes to which this accreditation applies, please refer to the Directory of CABs at BAB website.

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SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address:	**SGS Bangladesh Limited Noor Tower, 110 Bir Uttam C. R. Datta Road, Dhaka-1205, Bangladesh**		
Accreditation Standard:	**ISO/IEC 17025:2017**	**Accreditation Date:**	**04 November 2012**
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Amendment no:	**02**		

S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
Field: MECHANICAL				
1	Textiles, garments & accessories	Breaking strength and elongation (Grab test)	ASTM D5034-09(2021), ISO 13934-2:2014, BS EN ISO 139 2:2014, CAN/CGSB 4.2 No.9.2-M90(R2013), AS 2001.2.3.2-2001, JIS L1096:2020	10 to 5000 N
2	Textiles, garments & accessories	Breaking force and elongation (Strip method)	ASTM D5035-11(2024), ISO 13934-1:2013, BS EN ISO 13934-1:2013, CAN/CGSB 4.2 NO. 9.1- M90 (R2013), BS 2576:1986, AS 2001.2.3.1-2001(2016), JIS L1096:2020, EN 29073-3: 1992	10 to 5000 N
3	Textiles, garments & accessories	Tensile properties of yarns single-strand method	ASTM D2256-10(2021), ISO 2062:2009, BS EN ISO 2062:2009, DIN EN ISO 2062:2010	0.5 to 500 N
4	Textiles, garments & accessories	Bursting strength –Diaphragm –Pneumatic	ASTM D3786/D3786M-2018, ISO 13938-1:2019, BS EN ISO 13938-1:2019, ISO 13938-2:2019, BS EN ISO 13938-2:2019, CAN/CGSB 4.2 No.11.1-94(R2013), JIS L1096:2020	5 to 200 psi
5	Textiles, garments & accessories	Bursting strength Ball bursting	ASTM D3787-16(2020), CAN/CGSB 4.2 No.11.2-M89 (R2013), GB/T 19976-2005, AS2001.2.19-1988 (R2016)	5 to 200 psi
6	Textiles, garments & accessories	Seam properties Seam slippage	ISO 13936-1:2004, BS EN ISO 13936-1:2004, ISO 13936-2:2004, BS EN ISO 13936-2:2004, AS 2001.2.22-06 (R2016), BS 3320:1988, AATCC TS-015	0 to 100 mm
7	Textiles, garments & accessories	Seam properties Seam strength	ISO 13935-1:2014, BS EN ISO 13935-1:2014, ISO 13935-2:2014, BS EN ISO 13935-2:2014, ASTM D1683-17(2022), AS 2001.2.20-04(R2016), BS 3320:1988, ASTM D751-2019	10 to 500 N
8	Textiles, garments	Tearing strength of fabrics	ASTM D1424-09(2021),	

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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
	& accessories	(Elmendorf)	ISO 13937-1:2000 (Cor1:04), DIN EN ISO 13937-1:2000, BS EN ISO 13937-1:2000, AS 2001.2.8-2001(R2016), BS EN ISO 4674-2:2021, DIN EN ISO 4674-2:2022, CAN/CGSB-4.2 No.12.3- 2005, JIS L1096:2020	1 to 300 N
9	Textiles, garments & accessories	Tearing strength of fabrics (Single rip)	ASTM D2261-13(2024), ISO 13937-2:2000, BS EN ISO 13937-2:2000, ISO 13937-3:2000, BS EN ISO 13937-3:2000, ISO 4674-1:2016, BS 4303:1968, JIS L1096:2020, ASTM D5587-15(2024)	1 to 500 N
10	Textiles, garments & accessories	Tearing strength of fabrics (Double tear)	ISO 13937-4:2000	1 to 500 N
11	Textiles, garments & accessories	Abrasion resistance (Martindale)	ISO 12947-1:98/Cor.1 2002, ISO 12947-2:2016, ISO 12947-3:98/Cor.1 2002, ISO 12947-4:1998(2017), BS EN ISO 12947-1:1998, BS EN ISO 12947-2:2016, BS EN ISO 12947-3:1998, BS EN ISO 12947-4:1998, DIN EN ISO 12947-1:2007, DIN EN ISO 12947-2:2017, DIN EN ISO 12947-3:2007, DIN EN ISO 12947-4:2007, ASTM D4966-2022, EN 530:2010, BS EN 530:2010, EN 13770:2002 Method 1, BS EN 13770:2002 Method 1, BS 5690:1991	1 to 5 Grade 1 to 50%
12	Textiles, garments & accessories	Abrasion resistance (Accelerator)	AATCC TM 93-2019, ASTM D3884-2022, ASTM D3885-2024, ASTM D3886-2022	1 to 5 Grade 1 to 50%
13	Textiles, garments & accessories	Pilling resistance (Pilling box)	ASTM D3514-16(2024), ISO 12945-1:2020, DIN EN ISO 12945-1:2021, BS EN ISO 12945-1:2020, CAN/CGSB 4.2 No. 51.1-95, ISO 12945-4 :2020,	1 to 5 Grade

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			BS 5811:1986,	
14	Textiles, garments & accessories	Pilling resistance (Martindale)	ASTM D4970-2022, ISO 12945-2:2020, DIN EN ISO 12945-2:2021, BS EN ISO 12945-2:2020, GB/T 4802.1-2008, ISO 12945-4:2020	1 to 5 Grade
15	Textiles, garments & accessories	Pilling resistance (Random tumbler)	ASTM D3512-2016, ISO 12945-3:2020, CAN/CGSB 4.2 No. 51.2-M87, JIS L1096:2020 Method A, ISO 12945-4 :2020	1 to 5 Grade
16	Textiles, garments & accessories	Yarn number based on short length specimens	ASTM D1059-2022, ASTM D1907-12(2018), ISO 7211-5:2020, ISO 2060:94(2019), BS EN ISO 2060:1995, BS 5441:1988+A1:2019, BS 2865:1984,	1 to 200 Ne
17	Textiles, garments & accessories	Mass per unit area of fabric	ASTM D3776/D3776M-2025, DIN EN 12127:1997, BS EN 12127:2015, ISO 3801:1977, AS 2001.2.13:2016, CAN/CGSB 4.2 No.5.1-M90(R2013), BS 2471:2005	1 to 1000 g/m²
18	Textiles, garments & accessories	Threads per unit length	ASTM D3775-17(R2023), ASTM D8007-15(2019), ASTM D3887-96(2008), DIN EN 1049-2:1994-02, BS EN 1049-2:1994-02, AS 2001.2.5-91(2024), ISO 7211-2:2024, CAN/CGSB 4.2 No. 6-2013, AS 2001.2.6:2001 (R2016), CAN/CGSB 4.2 No. 7-M88 (R2001)	1 to 500 Ends/inch
19	Textiles, garments & accessories	Stitch density	CAN/CGSB 4.2 No.7-M88 (2001), BS 5441:88+A1:2019, AS 2001.2.6:01(2016), NF EN 14971:2019, BS EN 14970:2006	1 to 500 Wales/inch
20	Textiles, garments & accessories	Yarn Crimp/ yarn take-up	ASTM D3883-04(2020), ISO 7211-3:1984, BS ISO 7211-3:1984, BS 2863:1984	1 to 90%
21	Textiles, garments & accessories	Fabric thickness	ASTM D1777-96(2019), DIN EN ISO 5084:1996,	0.01 to 11.00 mm

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			ISO 5084:1996	
22	Textiles, garments & accessories	Cover factor	In house method: (BD-TX-MC-SOP-025-01), Issue No-01, Issue date: Nov-2020	1 to 100
23	Zipper	Zipper strength	ASTM D2061-07(2021), ASTM D2062-03(2021), BS 3084:2006, 16 CFR 1500.53, NFG 91-005:1984, DIN 3419-1:1998-05, AS 2332:2003, EN 16732:2025	1 to 5000 N
24	Button	Button strength	BS 4162:1983	1 to 500 N
25	Textiles, garments & accessories	Impact resistance of plastic sews	ASTM D5171-15(2020) BS 4162:1983,	Height 32 to 120 mm
26	Textiles, garments & accessories	Resistance to unsnapping of snap fastness	ASTM D4846-96(2021)	0.1 to 100 lbf
27	Textiles, garments & accessories	Bonding strength	ASTM D2724-2019, ISO 2411:2024	0.5 to 1000 lbf/in
28	Textiles, garments & accessories	Lea strength	ASTM D1578-93(2022)	1 to 1000 lbf
29	Textiles, garments & accessories	Stretch and recovery/ tension & elongation of elastic fabrics	ASTM D4964-96(2020), ASTM D3107-07(2019), ASTM D2594-2021, ISO 14704-1:2016, ISO 14704-3:2006, BS EN 14704-1:2005, DIN EN 14704-1:2005, BS 4952:1992, ISO 20932-1:2018/Amd 1:2021, ISO 20932-2:2018, ISO 20932-3:2018, BS EN ISO 20932-1:2020+A12021, BS EN ISO 20932-3:2020	1 to 500%
30	Textiles, garments & accessories	Wrinkle/ crease recovery	AATCC TM 66-2017e2, AATCC TM 128-2017e2, ISO 2313:2021, BS EN 22313:2021, ISO 9867:2022	1 to 180°
31	Textiles, garments & accessories	Attachment / Pull off strength of snap/ button/ rivets/ Break-away function	ASTM D6644-01(2021), ASTM D7142-2021, ISO 8124:2022, CEN/TS 17394-1:2021, CEN/EN 17394-2:2020, CEN/TS 17394-3:2021, CEN/TS 17394-4:2021, EN 71-1:2016, BS EN 71-1:2014+A1:2018, ASTM F963-2023 Sec-4.8, Sec-8.5, Sec-8.7, Sec-8.8, Sec-8.9 &	1 to 1000 N

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			Sec-8.10, 16 CFR 1500.51-53, CEN/TR 16792:2014, BS 7907:2007	
32	Textiles, garments & accessories	Twist in yarns (Direct counting method)	ASTM D1423-2022, ISO 2061:2015, BS EN ISO 2061:2015, DIN EN ISO 2061:2015, BS 2864:1984	1 to 100 TPI
33	Textiles, garments & accessories	Determination of twist in yarn removed from fabric	ISO 7211-4:1984, BS 2864:1984	1 to 100 TPI
34	Textiles, garments & accessories	Measurement of bow & skewness	ASTM D3882-08(R2025), BS 2819:1990+A2:2016, ISO 13015:2013, NF G07-163:1990,	0.1 to 50 cm
35	Textiles, garments & accessories	Air permeability	ASTM D737-2018, ISO 9237:1995, BS EN ISO 9237:1995 DIN 53887:1993, EN 14683:2025, Annex C	1 to 2800 mm/s
36	Textiles, garments & accessories	Snagging resistance	ASTM D3939-13(2017), BS 8479:2008	1 to 5 Grade
37	Textiles, garments & accessories	Fibre shedding (for pile fabrics)	In house method: (BD-TX-MC-SOP-017-01)	1 to 5 Grade
38	Textiles, garments & fabrics	Solar UV protective properties	EN 13758-1:2002, EN 13758-2:2003, AATCC TM 183:2020e2, AS/NZS 4399:2017, ASTM D6603-2019, GB/T 18830-2009	1 to 50000 UPF
39	Textiles, garments & fabrics	Light blocking effect of textiles: spectrophotometric method	AATCC TM 203-2021	0 to 100%
40	Textiles, garments & accessories	Safety of children's clothing	EN 14682: 2014 BS EN 14682:2014	Qualitative
41	Textiles, garments, toys products (textile, metal, glass, plastic, stone, leather accessories) in garments, metal jewelry & other article intended to use for children	Small parts – choking hazard test (Small part cylinder of 31.7 mm inner diameter)	16 CFR 1501, (Small Parts) ASTM F963-2023, Sec-4.6 (Small Parts)	Qualitative
42	Textiles, garments, toys	Determination of sharp points under a force	16 CFR 1500.48 (Sharp Point) ASTM F963-2023, Sec-4.9	Qualitative

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	products (textile, metal, glass, plastic, stone, leather accessories) in garments, metal jewellery & other article intended to use for children		(Sharp Point)	
43	Textiles, garments, toys products (textile, metal, glass, plastic, stone, leather accessories) in garments, metal jewellery, other article intended to use for children	Determination of sharp edges	16 CFR 1500.49 (Sharp edges), ASTM F963-2023, Sec-4.7 (Sharp edges),	Qualitative
44	Textiles, garments & accessories	National general safety technical code for textile products	GB 18401-2010	Qualitative
45	Textiles, garments & accessories	Safety technical Code for infants and children textile products	GB 31701-2015	Qualitative
46	Textiles, garments & accessories	Testing method for sharpness of attached components on textile products	GB 31702-2015	Qualitative
47	Textiles, garments & accessories	Standard safety size for drawstrings on children's upper wear	GB/T 22702-2019	Qualitative
48	Textiles, garments & accessories	Safety specifications for cords & drawstrings on children's clothing	GB/T 22705-2019	Qualitative
49	Textiles, garments & accessories	Textile products determination of the remains of broken sewing Needle	GB/T 24121-2009	Qualitative
50	Textiles, garments & accessories	Women's suits and coats	GB/T 2665-2017	1 to 5 Grade 0 to 100 mm
51	Textiles, garments & accessories	Knitted T-shirt	GB/T 22849-2024	1 to 5 Grade
52	Textiles, garments & accessories	Knitted sportswear	FZ/T 73020-2019	1 to 5 Grade
53	Textiles, garments	Casual wear	FZ/T 81007-2022	1 to 5 Grade

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	& accessories			10 to 5000 N
54	Textiles, garments & accessories	Textiles determination of the slippage resistance of yearns at a seam in woven fabrics part-1 & part-2	GB/T 13772.1-2008 GB/T 13772.2-2018	0 to 200 N 0 to 100 mm
55	Textiles, garments & accessories	Standard Test Method for Pocket Reinforcement	AATCC TS-010 ASTM D7506-2021	10 to 3000 N
56	Textiles, garments & accessories	Flammability of general clothing Textiles	16 CFR Part 1610-2023, ASTM D1230–2022, CAN/CGSB 4.2 No. 27.5-2023, GB/T 14644:2014	1 to 100 sec
57	Textiles, garments & accessories	Burning behavior of nightwear/ children's nightwear	EN 1103:2005, BS EN 1103:2005, EN 14878:2007, BS EN 14878:2007, DIN EN 14878:2007, BS 5722:1991	1 to 3600 sec
58	Textiles, garments & accessories	Burning behavior–Measurement of flame spread properties of vertically oriented specimens	ISO 6941:2003, BS EN ISO 6941:2003, BS 5438:1989	1 to 3600 sec
59	Textiles, garments & accessories	Flammability of children's sleepwear	16 CFR 1615-2023, 16 CFR 1616-2023	1 to 10 Inch
60	Textiles, garments & accessories	Determination of surface burning time of fabrics	ISO 10047:1993	1 to 3600 sec
61	Textiles, garments & accessories	Children's night Wear & Limited daywear	AS/NZS 1249:2014	1 to 3600 sec
62	Textiles, garments & accessories	Burning behavior of bedding items	ISO 12952-1:2010	1-6000 sec.
63	Textiles, garments & accessories	Surface flash	BS 4569:1983	Qualitative
64	Textiles, garments & accessories	Safety toy test	EN 71-2:2025	1 to 100 mm/s
65	Paper & paper board items	Bursting strength of paper and corrugated solid fibre board	TAPPI T 403 om-22, TAPPI T 810 om-22, ISO 2759:2014	1 to 50 kgf/cm^2
66	Paper & paper board items	Grammage of paper and paper board (Mass per unit area)	TAPPI T 410 om-23, ISO 536:2019, ASTM D646-2025	1 to 2000 g/m^2
67	Paper & paper board items	Edgewise crush resistance	ISO 3037:2022, TAPPI T 811 om-23	1 to 2000 Kg
68	Paper & paper board items	Box compression test	ISO 12048:1994, TAPPI T 804 om-2024	1 to 20000 N
69	Paper & paper board items	Determination of water absorptiveness (Cobb method)	ISO 535:2023	1 to 1000 g/m^2

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70	Paper & paper board items	Thickness of paper	ISO 3034:2011, ISO 534:2011	0.01 to 19.0 mm
71	Leather & leather products	Determination of tensile strength	ISO 3376:2020, ISO 17236:2025, ISO 17706:2003, BS EN 13522:2002, ASTM D2209-2025, ASTM D2208-2023, TM29:2019, TM 43:2021, TM 137:2024, DIN 53328:1979-02, ISO 1421:2016, I.S. EN 12803: 2000	1 to 5000 N
72	Leather & leather products	Determination of tear strength	ASTM D4704-2023, ASTM D4705-2023, ASTM D2212-2025, ISO 3377-1: 2011, ISO 3377-2:2025, ISO 17696:2004, TM 162:2017, TM 30:2017, TM 65:2021, ISO 13571:2012, DIN 53329 (Method A&B): 1982-02, ISO 20872: 2018, ISO 4674-1:2016 (Method- B), I.S. EN 12774:2000, ASTM D624-2020	1 to 5000 N
73	Leather & leather products	Determination of abrasion resistance of soling material	ISO 4649:2024, ISO 20871: 2018, ISO 17704:2004, ASTM D5963-2022, BS EN 13520:2023, BS EN 12770:2000, TM 174:2016, TM 193:2004, DIN 53516:1987	10 to 5000 mm^3
74	Leather & leather products	Determination of bursting strength	ISO 3379:2024, TM 24:2017, TM 166:2016, ISO 17693:2004, ASTM D2207:00(R2021)	1 to 80 kgf
75	Leather & leather products	Determination of thickness	ISO 2589:2016, ASTM D1813:2013(2023), ASTM D1814-70:2025	0.01 to 19.00 mm
76	Leather & leather products	Determination of density	ISO 2781:2018, TM 68:2016, TM134:2024, ISO 2420:2017, ASTM D792-2020	0.01 to 10.0 g/ cm^3
77	Leather & leather products	Determination of seam strength	TM 180:2016, ISO 17697:2016, EN 13572:2002 (Method B) BS 5131-5.13:2021	1 to 5000 N
78	Leather & leather products	Resistance of footwear to flexing (whole shoe flexing test)	TM 92:2016	Qualitative
79	Leather & leather products	Flexing resistance of upper material - bally flex meter	TM 55:1999, ISO 17694:2016, EN 13512:2002, ASTM D6182-	Qualitative

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			2023, ISO 5402-1:2022, ISO 32100:2018	
80	Leather & leather products	Lateral impact test for shoe heels	TM 20:2017, BS 5131 Sec-4.8:1990 BS EN ISO 19953:2004	Qualitative
81	Leather & leather products	Fatigue test for shoe heels	TM 21:2017, BS EN ISO 19956:2004	Qualitative
82	Leather & leather products	Rose flex test – resistance to cut growth of flexing	TM 60:2020, BS 5131 Sec-2.1:1991, GB 20265:2019, ISO 5423:1992	0.1 to 25.0 mm
83	Leather & leather products	Strength of sandal toe posts	TM 118:2025, TM 120:2021	1 to 5000 N
84	Leather & leather products	Strength of top-piece attachment	TM 108:2021, BS 5131 Sec-5.9:1979, BS EN ISO 19958:2004	1 to 5000 N
85	Leather & leather products	Rapid sole adhesion test for complete footwear	TM 404:2020, BS 5131 Sec-5.1:2021	1 to 100 kgf
86	Leather & leather products	Shoe lace to shoe lace & shoe lace to carrier abrasion test	TM 154:2018, BS EN ISO 22774:2004	1 to 99999 Cycles
87	Leather & leather products	Breaking force and extension at break of shoe laces	TM 94:2018, BS 5131 Sec-3.7:2021	1 to 5000 N
88	Leather & leather products	Strength of eyelet facings and others laced fastening & attachments	TM 149:2021, TM 117:2023, TM175:2018, TM 141:1994, TM 151:1999, BS 5131 sec-511:2021, TM 51: 1993, TM 52: 2018 TM 181: 2017	1 to 5000 N
89	Leather & leather products	Measurement of the strength of attachment of heels to footwear & backpart rigidity of such footwear	TM 113:2022, ISO 22650:2018, BS 5131 Sec-5.10:1990, ASTM F694-2010, ASTM F2232-2020, BS EN 12785:2000	1 to 5000 N
90	Leather & leather products	Peel strength of footwear sole bond	TM 411:2025, TM401:2021, BS EN ISO 17708:2018, BS 5131 Sec-5.4:2021,	1 to 5000 N
91	Leather & leather products	Tab strength test	TM 165:1992	1 to 5000 N
92	Leather & leather products	Slip resistance of footwear and flooring	TM 144:2021(Max Temp -10°), ASTM F2913-2019, ISO 13287:2019,	0.1 to 1.0 CoF
93	Leather & leather products	Determination of hardness test	TM 205:2016(2017), ISO 868:2003	1 to 120 Shore
94	Leather & leather products	Outsole flexing	TM 161:2004, ISO 17707:2005	0.1 to 120 mm

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95	Leather & leather products	Compression test - constant stress	TM 64:1996 (Method-2)	1 % to 90 %
96	Leather & leather products	Determination of film or coating adherence to base material	TM 416-1996	1 to 5000 N
97	Leather & leather products	Identification of leather with microscopy	ISO 17131:2020	Qualitative
98	Leather & leather products	Determination of surface coating thickness	ISO 17186:2011	10 to 3000 µm
Field: CHEMICAL				
1	Textiles, garments & accessories	Appearance of fabric after repeated home laundering	AATCC TM 124-2018te, ISO 7768:2009, BS ISO 7768:2009	Grade: SA -1 to SA - 5
2	Textiles, garments & accessories	Smoothness of seams in fabrics after repeated home laundering	AATCC TM 88B-2018te, ISO 7770:2009, BS ISO 7770:2009	Grade: SS -1 to SS - 5
3	Textiles, garments & accessories	Retention of creases in fabrics after repeated home laundering	AATCC TM 88C-2018te, ISO 7769:2009, BS ISO 7769:2009	Grade: CR -1 to CR - 5
4	Textiles, garments & accessories	Appearance of apparel and other textile products after repeated home laundering	AATCC TM 143-2018te, ISO 15487:2018, BS EN ISO 15487:2018	Grade: SA-1 to SA-5 Grade: SS-1 to SS-5 Grade: CR-1 to CR-5
5	Textiles, garments & accessories	Appearance (visual assessment) after laundering	In-house method: (SL-TM-DIM-001), BD-TX-CH-SOP-001-06)	1 to 5 Grade
6	Textiles, garments & accessories	Durability wash of garment/ print/ motif/ appliqué/ embroidery	In-House Method: (BD-TX-CH-SOP-004-01)	1 to 5 Grade
7	Textiles, garments & accessories	Colour fastness to actual laundering	In-house method: (BD-TX-CH-SOP-008-01)	1 to 5 Grade
8	Textiles, garments & accessories	Dimensional change to dry cleaning	In-house method: (BD-TX-CH-SOP-002-04)	0 to ± 30%
9	Textiles, garments & accessories	Spirality/ skewing of fabrics & garment	AATCC TM 179-2023, AATCC TM 207-2019, ISO 16322-1:2005, ISO 16322-2:2021, ISO 16322-3:2021, AATCC TS-004	0 to ±30%
10	Textiles, garments & accessories	Care label verification/ Confirmation	ASTM D3938-2018, ASTM D5489-2025, ISO 3758:2023	1 to 5 Grade 0 to ± 30%
11	Textiles, garments & accessories	Test method for sewing threads	ASTM D204-2002(2021)	0 to ± 30%

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12	Textiles, garments & accessories	Shrinkage of yarn	ASTM D2259-2021	0 to ± 30%
13	Textiles, garments & accessories	Durability of finish of zippers to laundering	ASTM D2051-2022	1 to 5 Grade
14	Textiles, garments& accessories	Dimensional change to steam test	BS 4323:1979, ISO 3005:1978	0 to 40%
15	Textiles, garments & accessories	Dimensional change to washing	AATCC TM 135-2018t, AATCC TM 150-2018t, ISO 6330:2021, ISO 5077:2007, AS 2001.5.4:2005, BS EN ISO 5077:2008, BS EN ISO 6330:2021, ISO 3759:2011, CAN/CGSB 4.2 No. 58-2019, GB/T 8629-2017, ASTM D6544-2025, AATCC TS-006, AATCC LP1-2021, AATCC LP2-2018e (2020)	0 to ± 30%
16	Textiles, garments & accessories	Determination of fabric width & length	ASTM D3774-2024, BS EN 1773:1997, AS 2001.2.12:1987(R2016), CAN/CGSB 4.2 No.4.1- 2008, ISO 22198:2006, ISO 5025:2017	1 to 200 cm
17	Textiles, garments, accessories, leather & footwear	Colour fastness to washing	AATCC TM 61-2020e2, BS EN ISO 105-C06:2010, ISO 105-C06:2010, ISO 105- C08:2010, CAN/CGSB-4.2 No.19.1-2004(R2013), ISO105-C10: 2006, AS 2001.4.15-2006(R2016), ISO 105 C09:2003, BS EN ISO 105-C08:2010, BS EN ISO 105-C09:2003, BS EN ISO 105-C10:2007, DIN EN ISO105 C08:2010, DIN EN ISO105-C09:2025, DIN EN ISO105-C10:2010, JIS L0844:2021, GB/T 3921-2008, ISO 15702:1998, IUF 435:1998, ISO 15703:1998, IUF 423:1998	1 to 5 Grade
18	Textiles, garments,	Colour fastness to perspiration	AATCC TM 15-2021e, CAN/CGSB 4.2 No. 23 M-	1 to 5 Grade

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	accessories, leather & footwear		90(R2013), ISO 105 E04: 2013, BS EN ISO 105 E04:2013, DIN EN ISO 105 E04:2013, AS 2001.4.E04:2005 (R2016), JIS L 0848:2020, GB/T 3922-2013, ITX-GB/T 3922-2013, ISO 11641:2025(en)/ IUF426:2012	
19	Textiles, garments, accessories, leather & footwear	Colour fastness to rubbing/ crocking	AATCC TM 8-2016e(2022e), AATCC TM 116-2018e(2022e), AS 2001.4.3-1995 (R2016), CAN/CGSB 4.2 No. 22-2004(2013), ISO 105 X16:2016, BS EN ISO 105 X12:2016, DIN EN ISO 105 X12:2016, ISO 105 X12:2016, JIS L0849:2024, GB/T 3920-2024, ISO 11640:2018/IUF 450:2018, ISO 17700:2019, EN 13516:2002(en) Method A, EN 13516:2002(en) Method B, ISO 20433:2024/IUF 452:2012, BS 1006:1990, ASTM D5053-2003 (2023), TM167:2017, TM 173:2021	1 to 5 Grade
20	Textiles, garments, accessories, leather & footwear	Colour fastness to water	AATCC TM 107-2022e, ISO 105-E01:2013, DIN EN ISO 105-E01:2013, AS 2001.4.E01-2001(2016), CAN/CGSB 4.2 NO. 20-M 89 (R2013), JIS L 0846: 2004(R2015), GB/T 5713-2013, ITX-GB/T 5713-2013, ISO 11642:2012/ IUF 420:2012	1 to 5 Grade
21	Textiles, garments & accessories	Colour fastness to sea water	AATCC TM 106-2025, ISO 105 E02:2013, DIN EN ISO 105-E02:2013, AS 2001.4.E02-2001(R2016), CAN/CGSB 4.2 No.21-M90 (R2013), GB/T 5714-2019	1 to 5 Grade
22	Textiles, garments & accessories	Colour fastness to chlorinated water (swimming pool water)	ISO 105-E03:2010, DIN EN ISO105-E03:2010, AS 2001.4.5-1998(R2016), CAN/CGSB 4.2NO. 52.2-2013, AATCC TM 162-2011, GB/T 8433-2025	1 to 5 Grade
23	Textiles, garments	Shade variation (colour change)	AATCC EP1-2020, ISO 105	1 to 5 Grade

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	& accessories		A02:1993/Cor 2-2005, ISO 105 J03:2009	
24	Textiles, garments & accessories	Colour fastness to dry cleaning	AATCC TM 132-2024e3, AATCC EP2-2025, ISO 105-D01:2010, BS EN ISO 105-D01:2010, AS 2001.4.16-2016, CAN/CGSB 4.2 No.29.1-1997, GB/T 5711-2015	1 to 5 Grade
25	Textiles, garments & accessories	Colour fastness to dry heat	AATCC TM 117-2024, ISO 105 P01:1993, DIN EN ISO 105 P01:1995	1 to 5 Grade
26	Textiles, garments & accessories	Colour fastness to hot pressing	AATCC TM 133-2020e, ISO 105 X11:2024, DIN EN ISO 105 X11:1996, AS 2001.4.6-1990(R2016)	1 to 5 Grade
27	Textiles, garments, accessories, leather & footwear	Colour fastness to water spotting	AATCC TM 104-2025, ISO 105 E07:2010, DIN EN ISO 105 E07:2010, AS 2001.4.4-1998 (R2016), ISO 15700:1998, IUF 420:1998	1 to 5 Grade
28	Textiles, garments & accessories	Colour fastness to acid/ acid spotting	AATCC TM 6-2021, ISO 105 E05:2010, AS 2001.4.12-1981(R2016), DIN EN ISO 105-E05:2010	1 to 5 Grade
29	Textiles, garments & accessories	Colour fastness to alkali/ alkali spotting	AATCC TM 6-2021, ISO 105 E06:2006, DIN EN ISO 105 E06:2006, AS 2001.4.9-1981	1 to 5 Grade
30	Textiles, garments & accessories	Colour fastness to bleaching	ISO 105-N01:1993, DIN EN ISO 105 N02:2018, ISO 105-N02:1993, GB/T 7069-1997	1 to 5 Grade
31	Textiles, garments & accessories	Colour fastness to chlorine & non-chlorine bleaching	AATCC TS 001	1 to 5 Grade
32	Textiles, garments, accessories, leather & footwear	Colour fastness to solvents	ISO 105-X05:1994, DIN EN ISO 105-X05: 1997, AATCC TM 157-2022, ISO 11643:2009, IUF 434:2009	1 to 5 Grade
33	Textiles, garments & accessories	Colour fastness of zipper to laundering	ASTM D2057-05 (2022)	1 to 5 Grade
34	Textiles, garments & accessories	Phenolic yellowing	ISO 105-X18:2007, BS EN ISO 105-X18:2007, DIN EN ISO 105-X18:2007	1 to 5 Grade
35	Textiles, garments	Colour fastness to dye transfer in	AATCC TM 163-2020e4, JIS	1 to 5 Grade

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	& accessories	storage/ sublimation	L0854:2022, DIN 54056:2017	
36	Textiles, garments, accessories, leather & footwear	Colour fastness to light	AATCC TM 16.3-2020, ISO 105-B02:2014, BS EN ISO 105-B02:2014, GB/T 8427-2019, CAN/CGSB 4.2 No. 18.3-97, AS 2001.4.B02:2005	1 to 8 Grade
37	Textiles, garments & accessories	Colour fastness to perspiration & light	AATCC TM 125-2020e2, ISO 105 B07:2009, BS EN ISO 105 B07:2009, GB/T 14576 -2009	1 to 8 Grade
38	Textiles, garments & accessories	Colour fastness to non-chlorine bleaching in home laundering	AATCC TM 172-2016e2	1 to 5 Grade
39	Textiles, garments & accessories	Colour fastness to ozone	AATCC TM 109-2016e, ISO 105 G03:1993, BS EN ISO 105 G03:1997	1 to 5 Grade
40	Metallic accessories	Corrosion test	ASTM B368:2021, BS 4162:1983 Section 10, ISO 22775:2004 (Method 2), BS EN ISO 22775:2004 (Method 2), TM 310:1992 (Method 2)	1 to 5 Grade
41	Textiles, garments & accessories	Soil release: oily stain release method	AATCC TM 130-2025	1 to 5 Grade
42	Textiles, garments & accessories	Oil repellency: hydrocarbon resistance test	AATCC TM 118-2020e, ISO 14419:2025	0 to 8 Grade
43	Textiles, garments & accessories	Aqueous liquid repellency: water/ alcohol solution resistance test	AATCC TM 193-2023 ISO 23232:2009	0 to 8 Grade
44	Leather & leather products	Colour fastness to change in colour with accelerated ageing	ISO 17228:2015/ IUF 412:2015	1 to 5 Grade
45	Textiles, garments, accessories, leather & footwear	Colour fastness to migration	ISO 17701:2016, EN 13517:2002, ISO 15701:2022/ IUF 442:2015, ISO 105-X10:1993	1 to 5 Grade
46	Textiles, garments & accessories	Colour fastness to sweat	DIN 53160-2:2010, BVL B 82.02-13:2024	1 to 5 Grade
47	Textiles, garments & accessories	Colour fastness to saliva	DIN 53160-1:2010, GB/T 18886-2019, BVL B 82.92-3:2024, ITX-GB/T 18886-2019	1 to 5 Grade
48	Textiles, garments & accessories	Colorfastness to Burnt Gas Fumes	AATCC TM 23-2015e(2020), ISO 105 G02:1993	1 to 5 Grade
49	Metal & metal items	Corrosion tests in artificial atmospheres-salt spray tests	ISO 9227:2022(E), ASTM B117-2019	0-10
50	Textiles, garments	Water Vapor Transmission Test	ASTM E96/ E96M-2022	200-7000 g/m²/24H

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	& accessories			
51	Textiles, garments	Fiber fragment release during HL (Microfiber test)	AATCC TM 212-2021, TMC, ISO/DIS 4484-1:2023	0.01 to 2.0%
52	Textiles, garments	Feather & down-Methods of testing the down proof properties of fabrics-Part 1: Rubbing test	EN 12132-1:1998, BS EN 12132-1:1999,	0 to ≥50
53	Textiles, garments & accessories	Instrumental Assessment of change in colour & staining	ISO 105 A04:1989, ISO 105 A05:1996, AATCC EP7:2021e, AATCC EP12:2010e (2017)e2	1 to 5 Grade
54	Textiles, garments & accessories	Whiteness of textiles	AATCC 110:2021 ISO 105 J02:1997	40 to 220
55	Textiles, garments & accessories	Odor test of textiles	SNV 195651:1968 SNR 195651:2015	1 to 5 Grade
56	Textiles, garments & accessories	Water repellency (Spray test)	AATCC TM 22-2024, ISO 4920:2012, DIN EN ISO 4920:2012, BS EN ISO 4920:2012, CAN/CGSB 4.2 No. 26.2-M94	ISO 1 to ISO 5 (0 to 100)
57	Textiles, garments & accessories	Water resistance: (Rain, Impact penetration & Hydrostatic pressure)	AATCC TM 35-2018e2, ISO 22958:2021, AATCC TM 42-2017e, AATCC TM 127-2017(2018e), ISO 811:2018, GB/T 23147-2018, DIN EN 20811:1992	0.1 to 100 g
58	Textiles, garments & accessories	Drying rate of fabrics: Heated plate method	AATCC TM 201-2014e3	0 to 100 ml/hour
59	Textiles, garments & accessories	Absorbency of textile	AATCC TM 79-2025, EN 14697:2005(E), BS EN 14697:2005, BS 4554:19970, ISO 20158:2018	1 to 300 sec
60	Textiles, garments & accessories	Wicking of textiles	AATCC TM 197-2022, AATCC TM 198-2020e, AATCC TM 213-2022, JIS L1907:2010	1 to 200 mm
61	Textiles, garments & accessories	Standard test method for extractable matter in textile	ASTM D2257-2020, AATCC TM 97:2020	0.1-5.0 %
62	Textiles, garments & accessories	Textile dyestuffs-part-1: general principles of testing coloured textile for dyestuff identification	ISO 16373-1:2015	Qualitative
63	Leather & leather products	Standard test method for volatile matter (Moisture) of leather by	ASTM D3790-2017	1 to 30 %

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		oven drying		
64	Paper, pulp & paperboard	Moisture in pulp, paper and paperboard	TAPPI T 412 om-16, ISO 287:2017	1 to 30 %
65	Jute bags/ cloth & jute products	Determination of unsaponifiables in jute Bags/ cloth used for packaging selected food materials	IJO Standard 98/01:2005	1 to 10,000 ppm
66	Textiles, garments & accessories	Standard test methods for moisture in textiles	ASTM D2654-2022 (Procedure-1)	1 to 30 %
67	Textiles, garments & accessories	Method for determination of hygroscopicity	GOST 3816-81, Section 3	1 to 30 %
68	Textiles, garments & accessories	Fibre analysis	AATCC TM 20-2021, AATCC TM 20A-2025, ISO/TR 11827:2012, ISO 1833-1:2020, ISO 1833-2:2020, ISO 1833-3:2020, ISO 1833-4:2023, ISO 1833-5:2006, ISO 1833-6:2018, ISO 1833-7:2017, ISO 1833-8:2006, ISO 1833-9:2019, ISO 1833-10:2019, ISO 1833-11:2017, ISO 1833-12:2020, ISO 1833-13:2019, ISO 1833-14:2019, ISO 1833-15:2019, ISO 1833-16:2019, ISO 1833-17:2019, ISO 1833-18:2020, ISO 1833-20:2018, ISO 1833-21:2019, ISO 1833-22:2020, ISO 1833-24:2010, ASTM D276-2012, ASTM D629-2025, CAN/CGSB 4.2 No.14:2005, AS 2001.7–2005, Regulation (EU) No1007/2011, GB/T 2910.1-2009, GB/T 2910.2-2009,	0.1 to 100 %

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			GB/T 2910.3-2009, GB/T 2910.4-2022, GB/T 2910.5-2009, GB/T 2910.6-2009, GB/T 2910.7-2025, GB/T 2910.8-2009, GB/T 2910.9-2024, GB/T 2910.10-2009, GB/T 2910.11-2024, GB/T 2910.12-2023, GB/T 2910.13-2009, GB/T 2910.14-2009, GB/T 2910.15-2009, GB/T 2910.16-2024, GB/T 2910.17-2009, GB/T 2910. 18-2009, GB/T 2910.19-2009, GB/T 2910.20-2009, GB/T 2910.21-2009, GB/T 2910.22-2009, GB/T 2910.24-2009, FZ/T 01057.1-2007, FZ/T 01057.2-2025, FZ/T 01057.3-2025, FZ/T 01057.4-2007, FZ/T 01057.6-2007	
69	Textiles, garments, accessories, liquid & powder material	Determination of certain listed banned aromatic amines derived from Azo colorants- 4-Aminodiphenyl Benzidine 4-Chloro-o-Toluidine 2-Naphthylamine o-Aminoazotoluene 5-nitro-o-toluidine 4-chloroaniline 4-methoxy-m-phenylenediamine 4,4'-Diaminodiphenylmethane 3,3'-Dichlorobenzidine 3,3'-Dimethoxybenzidine 3,3'-Dimethybenzidine 4,4'-methylenedi-o-toluidine p-Cresidine 4,4'-methylene-bis-(2-chloro-	SOP No. RSTS-CHEM-201-14 (ISO 14362-1:2017 EN ISO 14362-1:2017) SOP No. RSTS-CHEM-201-15 (ISO 14362-3:2017 EN ISO 14362-3:2017) SOP No. RSTS-CHEM-201-7 (EN 14362-1 :2012) SOP No. RSTS-CHEM-201-9 (EN 14362-3 :2012 BS EN 14362-1 :2012 BS EN 14362-3 :2012 DIN EN 14362-1 :2012 DIN EN 14362-3 :2012) SOP No. STS-CHEM-201-10 (EN 14362-1: 2003 BS EN 14362-1:2003	0.10-0.45 mg/kg

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		aniline) 4,4'-oxydianiline 4,4'-Thiodianiline o-Toluidine 4-methyl-m-phenylenediamine 2,4,5-Trimethylaniline 4-aminoazobenzene* O-Anisidine 2,4-Xylidin; 2,6-Xylidin; 2-Naphthylammoniumacetate 4-chloro-otoluidiniumchloride; 4-methoxy- mphenylenediammonium sulphate;2,4- diaminoanisolesulphate; 2,4,5-trimethylaniline hydrochloride; 1,4, phenylenediamine Aniline, 2,5-Diaminotoluene; 3,3-Diaminobenzidin; 4-Ethoxyaniine.	DIN EN 14362-1:2003 § 64 LFGB BVL B 82.02.2: 2004) SOP No. RSTS-CHEM-201-11 (EN 14362-2:2003 BS EN 14362-2:2003 § 64 LFGB BVL B 82.02.4: 2004) SOP No. RSTS-CHEM-201-12 (§ 64 LFGB § 64 BVL B 82.02 - 15, ISO 17234-2:2011 EN ISO 17234-2:2011) SOP No. RSTS-CHEM-201-8 (GB-T 17592:2024) GB/T 23344-2009, GB/T 19942-2019, ITX-BS EN14362-1:2003A ITX-BS EN14362-2:2003A	
70	Leather & leather products	Determination of certain listed banned aromatic amines derived from Azo colorants 4-Aminodiphenyl Benzidine 4-Chloro-o-Toluidine 2-Naphthylamine o-Aminoazotoluene 5-nitro-o-toluidine 4-chloroaniline 4-methoxy-m-phenylenediamine 4,4'-Diaminodiphenylmethane 3,3'-Dichlorobenzidine 3,3'-Dimethoxybenzidine 3,3'-Dimethybenzidine 4,4'-methylenedi-o-toluidine p-Cresidine 4,4'-methylene-bis-(2-chloro- aniline) 4,4'-oxydianiline 4,4'-Thiodianiline	SOP No. RSTS-CHEM-201-13 (ISO 17234-1: 2015 § 64 LFGB BVL B 82.02.3(V) 2016) SOP No. RSTS-CHEM-201-17 (ISO 17234-1:2020_Inditex § 64 LFGB, BVL B 82.02.3 - 2021) SOP No. RSTS-CHEM-201-12 (ISO 17234-2: 2011, EN ISO 17234-2:2011 § 64 LFGB, BVL B 82.02-9 – 2008) SOP No. RSTS-CHEM-201-16 (ISO 17234-1:2020 EN ISO 17234-1:2020) EN ISO 17234-1:2024) SOP No. RSTS-CHEM-201-4 (ISO 17234-2: 2011 § 64 LFGB, BVL B 82.02-9:2014)	0.11-0.46 mg/kg

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		o-Toluidine 4-methyl-m-phenylenediamine 2,4,5-Trimethylaniline 4-aminoazobenzene* O-Anisidine 2,4-Xylidin 2,6-Xylidin 2-Naphthylammoniumacetate; 4-chloro-otoluidiniumchloride; 4-methoxy- mphenylenediammonium sulphate; 2,4-diaminoanisolesulphate; 2,4,5-trimethylaniline hydrochloride; 1,4, phenylenediamine, Aniline, 2,5-Diaminotoluene; 3,3-Diaminobenzidin; 4-Ethoxyaniine.		
71	Textiles, garments, liquid & powder material	Allergenous disperse Dyestuff in textile materials Disperse Blue 1 Disperse Blue 3 Disperse Blue 7 Disperse Blue 26 Disperse Blue 35 Disperse Blue 35A Disperse Blue 35B Disperse Blue 102 Disperse Blue 106 Disperse Blue 124 Disperse Brown 1 Disperse Orange 1 Disperse Orange 3 Disperse Orange 37/76/59 Disperse Red 1 Disperse Red 11 Disperse Red 17 Disperse Yellow 1 Disperse Yellow 3 Disperse Yellow 9 Disperse Yellow 23 Disperse Yellow 39	SOP No.RS TS-CHEM-202-1, (DIN 54231:2022, ISO 16373-2:2014, ISO 16373-3:2014, § 64 LFGB BVL B 82.02.10-2007, GB/T 20382:2006 (mod), GB/T 20383:2006 (mod), GB/T 30398:2013 (mod), GB/T 30399:2013 (mod))	0.143-0.315 mg/kg

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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		Disperse Yellow 49 Basic violet 14 Disperse Orange 11 Basic red 9 Disperse Orange 149 Basic Blue 26 (with michler's ketone>0.1%) Basic Green 4 (malachite green chloride) Basic Green 4 (malachite green oxalate) Basic Green 4 (malachite green) Disperse Red 151 Disperse Yellow 7 Disperse Yellow 56 4-Dimethylaminoazobenzene (Solvent Yellow 2) Solvent Blue 4 4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol Acid Violet 49		
72	Textiles, garments, liquid & powder material	Carcinogenic Dyestuff in textile materials Acid Red 26, Basic Red 9, Direct Black 38, Direct Blue 6, Direct Red 28, Basic Violet 3, Basic Violet 14, Disperse Orange 11, Disperse Blue 1, Disperse Yellow 3, Direct Brown 95, Solvent Yellow 1, Solvent Yellow 2, Navy Blue, Lead sulfochromate yellow (Pigment Yellow 34), Lead chromate molybdate sulfate red (Pigment Red 104), Basic Violet 3 (with ≥ 0.1 % Michler's ketone or base), Direct Blue 15,	SOP No. RSTS-CHEM-202-1 (DIN 54231:2022, § 64 LFGB BVL B 82.02.10-2007, GB/T 20382:2006 (mod), GB/T 20383:2006 (mod), GB/T 30398:2013 (mod), GB/T 30399:2013 (mod))	0.30-0.45 mg/kg

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		Solvent Yellow 3, Acid Red 114,		
73	Textiles, garments, leather, liquid & powder material	Determination of extractable chlorinated phenols & other phenol- Pentachlorophenol (PCP) Tetrachlorophenol (TeCP): 2,3,5,6-Tetrachlorophenol (TeCP) 2,3,4,6- Tetrachlorophenol (TeCP) 2,3,4,5- Tetrachlorophenol (TeCP) Trichlorophenol (TCP): 2,4,5-Trichlorophenol (TriCP) 2,4,6- Trichlorophenol (TriCP) 2,3,4- Trichlorophenol (TriCP) 2,3,5- Trichlorophenol (TriCP) 2,3,6- Trichlorophenol (TriCP) 3,4,5- Trichlorophenol (TriCP) Dichlorophenol (DCP): 2,3-Dichlorophenol (DCP) 2,4- Dichlorophenol (DCP) 2,5- Dichlorophenol (DCP) 2,6- Dichlorophenol (DCP) 3,4- Dichlorophenol (DCP) 3,5- Dichlorophenol (DCP) Monochlorophenol (MCP) 2- Chlorophenol (MCP) 3- Chlorophenol (MCP) 4- Chlorophenol (MCP) 4-Chloro-3-methylphenol	SOP No. RSTS-CHEM-203-1, (§ 64 LFGB B 82.02.8-2001, ISO 17070 :2015, DIN EN ISO 17070:2015) SOP No. RSTS-CHEM-203-2, (§ 64 LFGB B 82.02.8-2001(mod), DIN 50009:2021, AFIRM RSL 2026 Version 11) SOP No. RSTS-CHEM-203-3 (EN 17134-2:2023)	For CP: 0.006-0.013 mg/kg For OPP: 0.071 mg/kg
74	Textiles, garments, accessorie, liquid & powder material	Determination of Chlorinated Benzene and Toluene/Chlorinated Organic Carriers (CBs&CTs) – 2-Chlorotoluene 3-Chlorotoluene 4-Chlorotoluene 2,4-Dichlorotoluene 2,5-Dichlorotoluene 2,6-Dichlorotoluene 2,3-Dichlorotoluene	SOP No. RSTS-CHEM-204-1 (EN 17137:2018, DIN EN 17137:2019, EN 17137:2024 ITX-COC-TXT-2022, ITX-COC-RM-2022)	0.002-0.032 mg/kg

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		3,4-Dichlorotoluene 3,5-Dichlorotoluene 2,4,5-Trichlorotoluene 2,3,6-Trichlorotoluene α,α,α,4-tetrachlorotoluene 2,3,4,6-tetrachlorotoluene 2,3,5,6-tetrachlorotoluene 2,3,4,5-tetrachlorotoluene 2,3,4,5,6-Pentachlorotoluene Monochlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2,3-Trichlorobenzene 1,3,5-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2,3,5-Tetrachlorobenzene 1,2,4,5-Tetrachlorobenzene 1,2,3,4-Tetrachlorobenzene Pentachlorobenzene Hexachlorobenzene Benzotrichloride / α,α,α-trichlorotoluene Benzyl Chloride / α-chlorotoluene 1,2-Dichlorobenzene α,α- Dichlorotoluene/Benzal chloride		
75	Textiles, garments, leather, plastic accessories, liquid & powder material.	Determination of Organotin content - Monomethyltin Dimethyltin Trimethyltin Monobutyltin Dibutyltin Tributyltin Tetrabutyltin Triphenyltin Mono-n-Octyltin Di-n-Octyltin Tri-n-propyltin Tri-Cyclohexyltin Monophenyltin Diphenyltin	SOP No. RSTS-CHEM-205-01 (ISO 17353:2004, BS ISO 17353:2004, DIN EN ISO 17353:2005) SOP No. RSTS-CHEM-205-02 (ISO/TS 16179:2012, CEN ISO/TS 16179:2012, ISO 16179:2025 ISO 22744-1:2020 EN ISO 22744-1:2020)	0.002-0.003 mg/kg

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		Tri-n-Octyltin Tetraethyltin Dipropyltin Tetraoctyltin		
76	Textiles, garments, leather, plastic, rubber, liquid & powder material	Determination of Phthalates – Di-butyl phthalate (DBP), Benzyl butyl phthalate (BBP), Bis-(2-ethylhexyl) phthalate (DEHP), Di-“iso nonyl” phthalate (DINP), Di-n-octyl phthalate (DNOP), Di-“iso decyl” phthalate (DIDP), Di iso pentyl phthalate (DIPP), n-pentyl iso-pentyl phthalate (iPnPP), Di-n-pentyl phthalate (DPP), Bis (2-methoxyethyl) phthalate (DMEP), Di-n-hexyl phthalate (DnHP) Di-iso-butyl phthalate (DIBP) Diisoheptyl phthalate (DIHpP) Diundecyl phthalate (DUDP) Di heptyl nonyl undecyl phthalate (DHNUP), Diisooctyl Phthalate (DIOP), Dibenzyl Phthalate (DBzP), Dinonyl Phthalate(DNP), Diphenyl Phthalate(DPhP, Dihexyl Phthalate (DHP), Di-n-Heptyl Phthalate(DnHpP), Didecyl Phthalate(DDP), Dimethyl Phthalate (DMP), Diethyl Phthalate (DEP), Di-n-propyl Phthalate (DPrP), Di-cyclohexyl Phthalate (DCHP), Di-iso-hexyl Phthalate (DIHP)	SOP No. RSTS-CHEM-206-6, SOP No. RSTS-CHEM-206-7, (CPSC-CH-C1001-09.3 CPSC-CH-C1001-09.4, ISO 14389:2022, EN ISO 14389:2022, GB/T 24168:2009)	2.8-6.2 mg/kg
77	Plastic accessories & prints in textile & garments	Polyvinyl Chloride (PVC) detection in plastic & coating material	SOP No. RSTS-CHEM-207-1, (Belistein Method-Preliminary method, FT-IR method by solvent Extraction-Confirmatory method)	Qualitative
78	Textiles, garments,	Determination of Alkylphenol (AP) & Alkylphenol Ethoxylates	SOP No. RSTS-CHEM-213-1, SOP No. RSTS-CHEM-213-2,	For APEO: 0.206-0.228 mg/kg

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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
	leather, plastic, paper, liquid & powder materials	(APEO) – Nonylphenol (NP), mixed isomer Octylphenol (OP), mixed isomer Heptylphenol (HP), Pentylphenol (PeP), Nonylphenolethoxylats (NPEO) Octylphenolethoxylats (OPEO)	(EN ISO 21084 : 2019, EN ISO 18254-1: 2016, ISO 18254-1:2016, ISO 18218-1: 2023, EN ISO 18218-1: 2023, ISO 18218-1: 2015, ISO 18218-2: 2019, GB/T 23972:2009 GB/T 23322:2018 GB/T 14272:2021) EN ISO 18218-1: 2015, Solvent Extraction, analysis by HPLC-MS, GB/T 23972:2009)	For AP: 0.506-0.65 mg/kg
79	Textiles, garments, accessories, coated materials, polymeric materials, liquid & powder material	Determination of extractable poly & per fluorinated compounds (PFAS)- Perfluorooctanoic Acid (PFOA); Sodium perfluorooctanoate (PFOA-Na); Potassium perfluorooctanoate (PFOA-K); Silver perfluorooctanoate (PFOA-Ag); Perfluorooctanoyl fluoride (PFOA-F); Ammonium perfluorooctanoate (APFO); Lithium perfluorooctanoate (PFOA-Li); Cobalt perfluorooctanoate (PFOA-Co); Cesium perfluorooctanoate (PFOA-Cs); Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, chromium (PFOA-Cr3+); Pentadecafluorooctanoic acid--piperazine (PFOA-NH(C4H10N)); Pentadecafluorooctanoate (anion); Perfluorooctanoic Anhydride ; N,N,N-Triethylethanaminium perfluorooctanoate;	SOP No. RSTS-CHEM-219-5 (ISO 23702-1:2023, EN 17681-1\2:2022, EN ISO 23702-1:2023, CEN/TS 15968:2010, Inhouse Method) GB/T 29493.2:2021), ITX-PFAS-TXT-2020C, ITX-PFAS-RM-2020C, RSTS-CHEM-219-6 (EN 17681-1:2025)	Ionic: 0.005-250 mg/kg or 0.0355-0.04 µg/m^2 Non-ionic PFAS: (0.01-200) mg/kg

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		Perfluorooctanoate N,N,N-Trimethylmethanaminium; Tetrapropylammonium perfluorooctanoate; Potassium pentadecafluorooctanoate--water (1:1:2) (PFOA-K(H2O)2); Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C2H7N); Pentadecafluorooctanoic acid--pyridine (1:1) (PFOA-C5H5N); Pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-C10H14N2); N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA- C11H26N); 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS); Sodium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-Na); Potassium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-K); Ammonium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NH4); 2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS(anion)); Methyl perfluorooctanoate (Me-PFOA); Ethyl perfluorooctanoate (Et-PFOA); 1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA); id (8:3 FTCA);1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA); Perfluoro-1-iodooctane (PFOI); 2H,2H Perfluorodecane Acid (8:2 FTCA);		

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		Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C4H9)4); 1H,1H,2H,2H-Perfluorodecan-1-ol (8:2 FTOH); 1-Iodo-1H,1H,2H,2H-perfluorodecane (8:2 FTI); 2H,2H,3H,3H-Perfluoroundecanoic Ac Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K); 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li); Perfluorooctanesulfonic Acid (PFOS); Potassium perfluorooctane sulfonate (PFOS-K); Sodium perfluorooctane sulfonate (PFOS-Na); Lithium perfluorooctane sulfonate (PFOS-Li); Ammonium perfluorooctane sulfonate (PFOS-NH4); Perfluorooctane sulfonate diethanolamine salt (PFOS-NH2(C2H4OH)2); "Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C2H5)4 / PFOS-TEA);" Didecyl dimethyl ammonium perfluorooctane sulfonate (PFOS-N(C10H21)2(CH3)2); Magnesium bis(heptadecafluorooctanesulphonate) (PFOS-Mg); Perfluoro-1-octanesulfonyl fluoride (PFOS-F); Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate; TetrabutylAmmonium		

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		perfluorooctanesulfonate (PFOS-N(C4H9)4) ((PFOS-N(C4H9)4)); Perfluorooctanesulfonate; Triethylammonium perfluorooctane sulfonate; Tetramethylammonium perfluorooctane sulfonate; N,N,N-Tripropylpentan-1-aminium heptadecafluorooctane-1-sulfonate; N,N-Dibutyl-N-methylbutan-1-aminium heptadecafluorooctane-1-sulfonate; Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1); Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate; 1-Hexadecylpyridinium perfluoro-1-octanesulfonate; N,N,N-Triethyldecan-1-aminium heptadecafluorooctane-1-sulfonate; Tetrabutylphosphonium perfluorooctane sulfonate; Perfluorooctanesulfonic acid diethylamine salt (PFOS-C4H11N); heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium heptadecafluorooctane-1-sulfonate (PFOS-C15H30NO2); Perfluorooctane sulfonic anhydride (PFOSAN); N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA); N-methylperfluoro-1-octanesulfonamide (N-MeFOSA); 2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE);		

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		2-(N-methylperfluoro- 1-octanesulfonamido) -ethanol (N-MeFOSE); Perfluorooctane sulfonamide (PFOSA); Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li); Perfluorooctanesulfonamide Sodium salt (PFOSA-Na); Perfluorooctanesulfonamide Potassium salt (PFOSA-K); Perfluorooctanesulfonamide Ammonium salt (PFOSA-NH4); Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-C6H15N); Perfluorooctane sulfonamidoacetic Acid (FOSAA); N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion)); N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K); N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na); N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA); 2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion)); Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K); N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA); Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-,		

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(For Testing Laboratory)

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Certificate Number:	**01.003.12**	**Issued on:**	**05 April 2026**
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		potassium salt (N-Et-FOSAA-K); 2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion)); Ammonium 2-(N-ethylperfluorooctanesulfonamido) acetate (N-Et-FOSAA-NH4); Sodium 2-(N-ethylperfluorooctanesulfonamido) acetate (N-Et-FOSAA-Na); Perfluorononane Acid (PFNA); Sodium heptadecafluorononanoate (PFNA-Na); Perfluorononanoate ammounium salt (PFNA-NH4); Potassium perfluorononanoate (PFNA-K); Lithium perfluorononanoate (PFNA-Li); Silver perfluorononanoate (PFNA-Ag); Methanaminium perfluorononanoate (PFNA-NH3(CH3)); Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with N-ethylethanamine (1:1) (PFNA-N(C4H11)); Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with N-methylmethanamine (1:1) (PFNA-N(C2H7)); Nonanoic acid, heptadecafluoro-, compd. with N,N-diethylethanamine (1:1) (9CI) (PFNA-N(C6H15)); Nonanoic acid, heptadecafluoro-, compd. with piperidine (1:1) (9CI) (PFNA-N(C5H11)); Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-		

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		heptadecafluoro-, compd. with benzenamine (1:1) (PFNA-N(C6H7)); Nonanoic acid, heptadecafluoro-, compd. with cyclohexanamine (1:1) (9Cl) (PFNA-N(C6H13)); Perfluorononanoate (anion); 4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium heptadecafluorononanoate (PFNA-C11H12N4O3S); Perfluorononanoic anhydride (PFNAA); Perfluorodecane Acid (PFDA); Sodium nonadecafluorodecanoate (PFDA-Na); Perfluorodecanoate ammonium salt (PFDA-NH4); Potassium perfluorodecanoate (PFDA-K); Silver perfluorodecanoate (PFDA-Ag); Lithium perfluorodecanoate (PFDA-Li); Perfluorodecanoate (anion); Perfluorodecanoic anhydride (PFDAA); Perfluoroundecanoic Acid (PFUnDA); Sodium perfluoroundecanoate (PFUnDA-Na); Ammonium perfluoroundecanoate (PFUnDA-NH4); Potassium perfluoroundecanoate (PFUnDA-K); Calcium perfluoroundecanoate (PFUnDA-Ca); Perfluoroundecanoate (anion); Perfluorododecanoic Acid (PFDoDA); Ammonium tricosafluorododecanoate		

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		(PFDoDA-NH4); Sodium perfluorododecanoate (PFDoDA-Na); Perfluorododecanoate (anion); Perfluorotridecanoic Acid (PFTrDA); Ammonium perfluorotridecanoate (PFTrDA-NH4); Sodium perfluorotridecanoate (PFTrDA-Na); Perfluorotridecanoate (anion); Perfluorotetradecanoic Acid (PFTDA); Perfluorotetradecanoate (anion); Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA); Perfluorodecane sulfonic Acid (PFDS); Sodium perfluorodecanesulfonate (PFDS-Na); Potassium perfluorodecanesulfonate (PFDS-K); Perfluorodecanesulfonic acid ammonium salt (PFDS-NH4); Perfluorodecane sulfonic anhydride (PFDSA); Perfluorodecane sulfonate (anion); 1H,1H,2H,2H-Perfluoro-1-dodecaol (10:2 FTOH); 1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA); 1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA); 1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH); 1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS); 1H,1H,2H,2H-Perfluorododecane sulfonic acid sodium salt (10:2		

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		FTS-Na); 1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI); 1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI); Perfluorononane sulfonic acid (PFNS); Sodium perfluorononanesulfonate (PFNS-Na); Potassium perfluorononanesulfonate (PFNS-K); Ammonium nonadecafluorononanesulphonate (PFNS-NH4); Perfluorononane sulfonate (anion); Perfluoroundecane sulfonic acid (PFUnDS); Perfluoroundecanesulfonate (anion) ; Perfluorododecane sulfonic acid (PFDoDS); Sodium perfluorododecanesulfonate (PFDoDS-Na); Sodium perfluorododecanesulfonate (PFDoDS-K); Perfluorododecane sulfonate (anion); Perfluorotridecane sulfonic acid (PFTrDS); Sodium perfluorotridecanesulfonate (PFTrDS-Na); Perfluorohexanesulfonic Acid (PFHxS); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt (PFHxS-Na); Potassium perfluorohexane-1-		

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		sulphonate (PFHxS-K); Perfluorohexane Sulfonic acid, lithium salt (PFHxS-Li); Perfluorohexane Sulfonic acid, ammonium salt (PFHxS-NH4); Benzyltriphenylphosphanium tridecafluorohexane-1-sulfonate (PFHxS-BTPP); N,N,N-Tributylbutan-1-aminium tridecafluorohexane-1-sulfonate; Tetraethylammonium perfluorohexane sulfonate; Tridecafluorohexane-1-sulfonic acid-pyrrolidine; 4-{[4-(Diethylamino)phenyl][4-(ethylamino)naphthalen-1-yl]methylidene}-N,N-diethylcyclohexa-2,5-dien-1-iminium tridecafluorohexane-1-sulfonate; 4-{[4-(Dimethylamino)phenyl][4-(ethylamino)naphthalen-1-yl]methylidene}-N,N-dimethylcyclohexa-2,5-dien-1-iminium tridecafluorohexane-1-sulfonate; 4-{[4-(Dimethylamino)phenyl][4-(phenylamino)naphthalen-1-yl]methylidene}-N,N-dimethylcyclohexa-2,5-dien-1-iminium tridecafluorohexane-1-sulfonate; Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate; Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate; Triphenylsulfanium tridecafluorohexane-1-sulfonate (TPS-PFHxS); 1-(Carboxymethyl)-4-(2-{4-[4-(2,2-diphenylethenyl)phenyl]-1H,2H,3H,3aH,4H,8bH-		

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		cyclopenta[b]indol-7-yl}ethenyl)quinolin-1-ium tridecafluorohexane-1-sulfonate; Diphenyliodanium tridecafluorohexane-1-sulfonate; Tetramethylammonium perfluorohexane sulfonate (PFHxS-TMA); Tert-butylazanium;1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate; Bis(4-tert-butylphenyl)iodanium tridecafluorohexane-1-sulfonate; Bis(4-methylphenyl)(phenyl)sulfanium tridecafluorohexane-1-sulfonate; Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with perfluorohexanesulfonic acid (1:2); Perfluorohexanesulfonic acid, Gallium(3+) salt (3:1) (PFHxS-Ga); Perfluorohexanesulfonic acid, Scandium(3+) salt (3:1) (PFHxS-Sc); Perfluorohexanesulfonic acid, Neodymium(3+) salt (3:1) (PFHxS-Nd); Perfluorohexanesulfonic acid, Yttrium(3+) salt (3:1) (PFHxS-Y); Cesium perfluorohexanesulfonate (PFHxS-Cs); Perfluorohexanesulfonic acid, Zinc salt (PFHxS-Zn); Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, perfluorohexanesulfonate (1:1); Tris(4-tert-butylphenyl)sulfanium tridecafluorohexane-1-sulfonate; Tridecafluorohexanesulphonic		

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		acid, compound with 2,2'-iminodiethanol (1:1); Triethylammonium perfluorohexane sulfonate; Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with perfluorohexanesulfonic acid (1:1); (4-Methylphenyl)diphenylsulfanium tridecafluorohexane-1-sulfonate; {4-[(2-Methylprop-2-enoyl)oxy]phenyl}diphenylsulfanium tridecafluorohexane-1-sulfonate; Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); Perfluorohexylsulfonyl fluoride (PFHxS-F); Perfluorohexylsulfonyl chloride (PFHxS-Cl); Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.13,7]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate; Perfluorohexane sulfonate (anion); Tetrabutylphosphonium perfluorohexane sulfonate; N-Methylperfluoro-1-hexanesulfonamide (N-MeFHxSA);		

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		Perfluorohexane sulfonamide (PFHxSA); Perfluorohexane Acid (PFHxA); Ammonium perfluorohexanoate (APFHx); Sodium perfluorohexanoate (PFHxA-Na); Potassium perfluorohexanoate (PFHxA-K); Silver perfluorohexanoate (PFHxA-Ag); Lithium perfluorohexanoate (PFHxA-Li); Perfluorohexanoyl fluoride (PFHxA-F); Hexanoic acid, undecafluoro-, compd. with piperazine (2:1) (8CI,9CI); Perfluorohexanoic anhydride; Perfluorohexanoate (anion); Perfluorohexanoyl chloride (PFHxA-Cl); Undecafluorohexanoic acid--hexan-1-amine (1:1) (PFHxA-C6H15N); 1-phenylpiperazine; 2,2,3,3,4,4,5,5,6,6,6-undecafluorohexanoic acid (PFHxA-C10H14N2); 1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH); 1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA); 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2 FTS); 6:2 Fluorotelomer sulfonate sodium salt (6:2 FTS-Na); 6:2 Fluorotelomer sulfonate potassium salt (6:2 FTS-K); 6:2 Fluorotelomer sulfonate ammonium salt (6:2 FTS-NH4); 1-Octanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-		

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		tridecafluoro-, barium salt (2:1) (6:2 FTS-Ba); 2-(Perfluorohexyl)ethane-1-sulfonate (6:2FTS(anion)); Perfluorobutane Acid (PFBA); Sodium perfluorobutanoate (PFBA-Na); Potassium heptafluorobutanoate (PFBA-K); Ammonium perfluorobutanoate (PFBA-NH4); Silver perfluorobutanoate (PFBA-Ag); Lithium perfluorobutanoate (PFBA-Li); Butanoic acid, heptafluoro-, compd. with piperazine (2:1) (9CI); Perfluorobutanoate (anion); Perfluorobutanesulfonic Acid (PFBS); Potassium perfluorobutanesulfonate (PFBS-K); Perfluorobutane sulfonic acid hydrate (PFBS-H_2O); Sodium perfluorobutanesulfonate (PFBS-Na); Lithium perfluorobutanesulfonate (PFBS-Li); Ammonium perfluorobutanesulfonate (PFBS-NH4); Magnesium perfluorobutanesulfonate (PFBS-Mg); Triphenylsulfonium perfluorobutanesulfonate (TPS-PFBS); Tetrabutyl-phosphonium perfluorobutanesulfonate; N,N,N,-Triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate;		

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		N-Morpholinium perfluorobutanesulfonate; Bis(4-tert-butylphenyl)iodonium perfluoro-1-butanesulfonate; 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid, compound with 2,2'-iminodiethanol (1:1); Perfluorobutanesulfonyl fluoride (PFBS-F); Perfluorobutanesulphonyl chloride (PFBS-Cl); Sulfonium, dimethylphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1); Thiophenium, 1-(4-butoxy-1-naphthalenyl)tetrahydro-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1); 1-Butanaminium, N,N,N-tributyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1) Tetrabutylammonium nonafluorobutanesulfonate; Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1); Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1); Sulfonium, (4-cyclohexylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1); Thiophenium, tetrahydro-1-(1-methyl-1H-indol-3-yl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1); Pyridinium, 1-ethyl-3-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1); 1H-Imidazolium, 1-methyl-3-octyl-, 1,1,2,2,3,3,4,4,4-		

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		nonafluoro-1-butanesulfonate (1:1); 1H-Imidazolium, 3-hexyl-1-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1); 2-Propanaminium, N,N-dimethyl-N-(1-methylethyl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1); Sulfonium, [4-[2-(1,1-dimethylethoxy)-2-oxoethoxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1); 1-Butanaminium, N,N-dibutyl-N-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1); 1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, zinc salt (2:1); 1-Pentanaminium, N,N,N-tripropyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1); Perfluorobutanesulfonic acid tetramethylammonium salt (PFBS-N(CH3)4) (PFBS-N(CH3)4); 1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, 1,1'-anhydride; Perfluorobutane sulfonate (anion); 1-(4-butoxy-1-naphthyl)tetrahydrothiophenium nonafluorobutane-1-sulfonate; Triethylammonium perfluorobutane sulfonate; N-(2-Hydroxyethyl)-N,N-dimethyl-1-octanaminium perfluoro-1-butanesulfonate (1:1);		

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		1-Hexadecylpyridinium perfluoro-1-butanesulfonate; 1-Butylpyridinium perfluoro-1-butanesulfonate; N-Methyl-N,N-dioctyl-1-octanaminium perfluoro-1-butanesulfonate; Sulfonium, tris(4-methylphenyl)-, salt with perfluoro-1-butanesulfonic acid (1:1); Perfluoropentane Acid (PFPeA); Sodium perfluoropentanoate (PFPeA-Na); Potasium perfluoropentanoate (PFPeA-K); Ammonium perfluoropentanoate (PFPeA-NH4); Lithium perfluoropentanoate (PFPeA-Li); Silver perfluoropentanoate (PFPeA-Ag); Perfluoropentanoate; Nonafluoropentanoic acid - 1-benzylthiourea (1:1) (PFPeA-C8H10N2S); Perfluoropentanoic anhydride (PFPeAA); Perfluoroheptane Acid (PFHpA); Sodium perfluoroheptanoate (PFHpA-Na); Potassium perfluoroheptanoate (PFHpA-K); Ammonium perfluoroheptanoate (PFHpA-NH4); Caesium perfluoroheptanoate (PFHpA-Cs); Silver perfluoroheptanoate (PFHpA-Ag); Lithium perfluoroheptanoate (PFHpA-Li); Perfllluoroheptanoate (anion); Perfluoroheptanesulfonic Acid (PFHpS); Sodium		

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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		perfluoroheptanesulfonate (PFHpS-Na); Potassium perfluoroheptanesulfonate (PFHpS-K); Ammonium perfluoroheptanesulfonate (PFHpS-NH4); Lithium perfluoroheptanesulfonate (PFHpS-Li); 1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, compd. with 2,2'-iminobis[ethanol] (1:1); Perfluoroheptane sulfonate; Triethylammonium perfluoroheptane sulfonate; Tetraethylammonium perfluoroheptane sulfonate; Perfluoroheptane sulfonic anhydride (PFHpSA); "7H-Dodecanefluoroheptane Acid (HPFHpA);" Sodium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-Na); Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-NH4); 7-H-Perfluoroheptanoate (HPFHpA(anion)); 1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH); 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides (HFPO-DA); Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (+)- ; Propanoic acid, 2,3,3,3-		

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		tetrafluoro-2-(heptafluoropropoxy)-, (-)- ; Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, ammonium salt (HFPO-DA-NH_4); Potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionate (HFPO-DA-K); Sodium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate; Perfluoro(2-propoxypropanoate); 2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propanoic acid--N-propylpropan-1-amine (1/1); Triethylaminium perfluoro-2-propoxypropanoate; 4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate; 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride (HFPO-DA-F); 2,3,6-Triiodobenzoic acid (1-methyl-3-piperidinyl)methyl ester compd. with perfluoro-2-(propoxy)propanoate (1:1) (HFPO-C14H16I3NO2); 1H, 1H, 2H, 2H-Perfluorohexanesulfonic Acid (4:2 FTS); 1H,1H,2H,2H-perfluorohexane sulfonate acid sodium salt (4:2 FTS-Na); 4:2 Fluorotelomer sulfonate (4:2FTS(anion)); Perfluoropentane sulfonic acid (PFPeS); Sodium perfluoropentanesulfonate (PFPeS-Na); Potassium perfluoropentane-1-		

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		sulphonate (PFPeS-K); Ammonium perfluoropentanesulfonate (PFPeS-NH4); Bis(2-hydroxyethyl) ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate; Undecafluoropentane-1-sulfonic acid lithium salt (PFPeS-Li) (PFPeS-Li); Perfluoropentane sulfonate anion); Triethylammonium perfluoropentane sulfonate; Perfluoropentane sulfonic anhydride (PFPeSA); 2-Perfluorohexyl ethanoic acid (6:2 FTCA); 3-Perfluoropentyl propanoic acid (5:3 FTCA); Hexadecanoic acid, hentriacontafluoro- (PFHxDA); Hentriacontafluorohexadecanoate anion (PFHxDA(anion)); Octadecanoic acid, pentatriacontafluoro- (PFODA); Perfluorooctadecanoate anion (PFODA(anion)); Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA); Perfluoro-3-methoxypropanoic acid (PFMPA); Perfluoro-4-methoxybutanoic acid (PFMBA); Perfluro-3,6-dioxaheptanoic acid (3,6-OPHpA) (NFDHA); bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 DiPAP); Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2		

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		diPAP-Na); Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate; Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2diPAP-NH4); 8:2 Fluorotelomer phosphate diester ion (1-); 1,1,2,2,3,3,4,4,4-Nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulfonamide (N-MeFBSE); 1H,1H,2H,2H-Perfluorohexyl methacrylate (4:2 FTMA); 1H,1H,2H,2H-Perfluorooctyl methacrylate (6:2 FTMA); 1H,1H,2H,2H-Perfluorodecyltriethoxysilane [8:2 FTSi(OC2H5)3];		
80	Textiles, garments & accessories	Determination of free & released formaldehyde	SOP No. RSTS-CHEM-101-1, (JIS L 1041-2011 Method A, ISO 14184-1:2011, EN ISO 14184-1:2011, BS EN ISO 14184-1:2011, DIN EN ISO 14184-1:2011, SOP No. RSTS-CHEM-101-6, (ISO 14184-2:2011, EN ISO 14184-2:2011, BS EN ISO 14184-2:2011, DIN EN ISO 14184-2:2011, AATCC TM 112:2014, GB/T 2912.1/2:2009, ITX-GB/T 2912.1/2012C EN 717-3:1996 EN 1541:2001(EN-645-1994) SOP No. RSTS-CHEM-101-9, (AATCC TM 94-2012)	1.5 mg/kg
81	Leather	Determination of free & released formaldehyde	SOP No. RSTS-CHEM-101-3, SOP No. RSTS-CHEM-101-4, SOP No. RSTS-CHEM-101-7, SOP No. RSTS-CHEM-101-8, (ISO 17226-1:2021,	0.325 mg/kg

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			EN ISO 17226-1:2021 EN ISO 17226-2:2019, ISO 17226-2:2017, ITX-GB/T 19941.1/2005A) ITX-GB/T 19941.2/2005D DIN 53315:1996- Method A)	
82	Textiles, garments & accessories	pH value in aqueous extract/ water extract	SOP No. RSTS-CHEM-102-1, (ISO 3071:2020, ISO 3071 :2005, EN ISO 3071 :2006, BS EN ISO 3071: 2006, DIN EN ISO 3071: 2006, EN 1413:1998, BS EN 1413:1998, AATCC TM 81: 2016, GB/T 7573 :2009)	1 to 14
83	Leather	pH value in aqueous extract/ water extract	SOP No. RSTS-CHEM-102-2, (ISO 4045 :2018, BS EN ISO 4045 :2018)	1 to 14
84	Textiles, garments, leather, PU leather, rubber & silica gel pellet	Determination of Dimethyl fumarate (DMFu) in leather, PU leather, textile, rubber & silica gel pellet	SOP No. RSTS-CHEM-233-2 (ISO/TS 16186:2012 ISO 16186:2021 EN 17130:2019)	0.041 mg/kg
85	Textiles, garments, polymer, rubber type samples, liquid & powder material	Determination of polycyclic aromatic hydrocarbon (PAH) - Naphthalene (NAP) Acenaphthylene (ANY) Acenaphthene (ANA) Fluorene (FLU) Phenanthrene (PHE) Anthracene (ANT) Fluoranthene (FLT) Pyrene (PYR) Benzo(a)anthracene (BaA) Chrysene (CHR) Benzo(b)fluoranthene (BbF) Benzo(k)fluoranthene (BkF) Benzo(a)pyrene (BaP) Indeno(1,2,3-cd) pyrene (IPY) Dibenzo(a,h)anthracene (DBA) Benzo(g,h,i)perylene (BPE)	SOP No. RSTS-CHEM-232-1, (EPA 610, AfPS GS 2014:01 PAK, AfPS GS 2019:01 PAK) EN 17132:2019	0.002-0.012 mg/kg

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		Benzo(j)fluoranthene (BjF) Benzo(e)pyrene (BeP)		
86	Textiles, garments, leather & accessories	Extractable heavy metals – Lead Cadmium Chromium Chromium VI Cobalt Antimony Arsenic Mercury Nickel Copper Manganese Barium Selenium Tin Zinc	SOP No. RSTS-CHEM-103-1 (ISO 105 E04 :2013 DIN EN 16711-2:2016 DIN EN ISO 17072-1:2019 ISO 17294-2:2016)	0.002-0.141 mg/kg
87	Textiles, garments & leather	Determination of Hexavalent Chromium (Chromium VI) content in leather	SOP No. RSTS-CHEM-104-1, (ISO 17075-1: 2017) SOP No. RSTS-CHEM-104-6, (In-house Method: 2020) SOP No. RSTS-CHEM-104-7 (ISO 10195:2018 Method: A1 & A2), ITX-AGE-LT-2020, Fourth edition. July 2023	0.2 mg/kg
88	Metal item	Screening test for nickel release from alloys & coatings (nickel spot test)	SOP No. STS-CHEM-105-6 (EN 12471:1996, EN 12471:1996, CR 12471:2002, CEN/TR 12471:2022)	Qualitative
89	Metal item (coated & non-coated)	Detection of nickel release from coated and non-coated items	SOP No. RSTS-CHEM-105-5 (EN 12472:2020, EN 1811:2023, EN 1811:2011+A1:2015, CEN/TR 12471:2022)	0.1µg/cm^2/week/
90	Plastic (PVC)/ rubber accessories in textiles & garments	Cadmium content in PVC item	SOP No. RSTS-CHEM-106-1 (EN 1122:2001, BS EN 1122:2001, USEPA 3052:1996) Inditex's SOP-A-022/023/024:2009, DIN EN 16711-1:2016, DIN EN ISO 17072-2:2017)	1.0 mg/kg
91	Textiles,	Total lead and cadmium content in	SOP No. RSTS-CHEM-109-1	

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	garments, accessories, toy products & paint or surface coating material	wet paint or surface coating materials	(CPSC-CH-E1003-09.1:2011, ASTM E1645-2007 & ASTM E1613-2012 16 CFR 1303, ASTM F963:2023 US Public Law 110-314, AOAC official method 974.02, Inditex's SOP-A-022/023/024:2009, DIN EN 16711-1:2016, DIN EN ISO 17072-2:2017) ISO 17072-2:2022	2-2.5 mg/kg
92	Textiles, garments, accessories, toy products, plastic, glass & ceramic items	Total lead and cadmium content in plastic, fabric	SOP No..RSTS-CHEM-109-2 (CPSC-CH-E1002-08.3:2012, DIN EN 16711-1:2016, USEPA 3051A:2007, USEPA 3052:1996, USEPA 3050B:1996 ASTM E1613:2012, Inditex's SOP-A-022/023/024:2009, EN ISO 17072-2:2019) ISO 17072-2:2022	1 mg/kg
93	Textiles, garments, accessories, toy products & metal items	Total lead and cadmium content in children's metal products including metal jewelry	SOP No. RSTS-CHEM-109-2 Issue No-1, Issue Date: Mar 2016 (CPSC-CH-E1001-08.3:2012, USEPA 3050B:1996, USEPA 3052:1996, USEPA 3051A:2007, DIN EN 16711-1:2016, ASTM E1613-04:2004, Inditex's SOP-A-022/023/024:2009, USEPA 3052:1996, US Public Law 110-314, EN ISO 17072-2:2019) ISO 17072-2:2022	1 mg/kg
94	Textiles, garments, accessories, plastic items, Liquid & powder material	Determination of Heavy Metal & toxic elements- Cadmium, Chromium, Mercury, Lead, Tin, Arsenic,	SOP No. RSTS-CHEM-108-1 (USEPA 3052:1996 USEPA Method 6010B:1996 USEPA Method 6020:1994, DIN EN 16711-1:2016, EN 16711-1:2016, EN ISO 17072-2:2019, ISO 17072-2:2022	1-1.3 mg/kg

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		Antimony, Barium, Selenium, Nickel, Copper, Cobalt, Silver, Aluminum, Titanium, Zirconium, Iron, Borate, zinc salt, Silica (particles of respirable size).	Inditex's SOP-A-022/023/024:2009)	
95	Plastics, metals & packaging materials	Determination of Toxic elements [Pd, Cd, Cr(VI), Hg] in packaging materials	SOP No. RSTS-SL-108-2 (EPA 3050B:1996 EPA 3051A:2007, EPA 3052:1996, ASTM E1613-04:2004, CPSC-CH-E1001-08.3:2012, CPSC-CH-E1003-09.1:2011, CPSC-CH-E1002-08.3:2012)	0.14-5 mg/kg
96	Textiles, garments, accessories, toy products, metal, plastic and coated items	Migration of Certain Element/Toxicity Lead, Boron, Tin, Chromium VI Cadmium, Zinc, Chromium III, Chromium, Aluminum Barium, Magnesium Antimony, Cobalt Arsenic, Nickel Mercury, Cupper Selenium, Strontium	SOP No. RSTS-CHEM-110-3_ V2 & V3 (EN 71-3: 2019 EN71-3: 2019 + A1:2021, EN71-3: 2019 + A2:2024, ASTM F963: 2023 2009/48/EC:2009.	0.2-4.4 mg/kg
97	Ceramic & ceramic products	Leachable lead and cadmium in ceramic wares	SOP No. RSTS-CHEM-608-1 (ASTM C927-80(R2014) SOP No. RSTS-CHEM-609-1 (AOAC 973.32:1996 AOAC 973.82:1997 SOP No: RSTS-CHEM-611-1 (EN 1388-1:1996, EN 1388-2:1996, ISO 6486-1:1999, BS 6748:1986+A:2011)	For Pb: 0.04 mg/l; 0.003 mg/dm^2 For Cd: 0.01 mg/l; 0.001 mg/dm^2
98	Materials and articles in contact	Thermal shock and thermal shock endurance	BS EN 1183:1997	Qualitative

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	with food stuffs			
99	Materials and articles in contact with food stuffs	Resistance to microwave heating of ceramic, glass, glass ceramic or plastic cookware	BS EN 15284:2007	Qualitative
100	Textiles, garments & accessories	Determination of Triclosan in Textile Material by GC/MS	SOP No. RSTS-SL-231 (In house method)	0.03 mg/kg
101	Textiles, garment, accessories, leather, liquid & powder material	Determination of short chain chlorinated paraffin (C10-C13), SCCP & medium chlorinated paraffin (C14-C17), MCCP.	SOP No. RSTS-CHEM-209-1, (ISO 18219:2015 USEPA Method 8082A CADS SCCP method v8:112017, ISO 22818 : 2021, ISO 18219-1 : 2021, ISO 18219-2 : 2021)	SCCP=11 & MCCP=7.7 mg/kg
102	Textiles, garments, accessories, plastic, paint, leather, liquid & powder material	Determination of selected Volatile Organic Compounds (VOCs) Dichloromethane, Chloroform, Tetrachloromethane, 1,1,2-Trichloroethane, 1,2-Dichloroethane, Trichloroethylene, Tetrachloroethylene, 1,1,1-Trichloroethane, 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, Pentachloroethane, Cis-1,2-Dichloroethylene, Trans-1,2-Dichloroethylene, Benzene, Toluene, Ethylbenzene, Xylene, Styrene, Cyclohexanone, N, N-Dimethylformamide, 1-Methyl-2-pyrrolidone, N, N-Dimethylacetamide, o-Cresol, p-Cresol, m-Cresol, Carbon Disulfide, Carbon Tetrachloride,	SOP No. RSTS-CHEM-220-2 (EPA Method 8260C, EPA Method 3585 & EPA Method 5000) SOP No. RSTS-CHEM-266-1 (ISO 16189: 2021 DIN CEN ISO/TS 16189: 2013, EN 17131:2025) SOP No. RSTS-CHEM-220-1, (GC/MS Headspace 45 minutes at 120 degree C)	0.007-0.025 mg/kg

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		1,1-Dichloroethane, Tetrachloroethylene (PERC), Trichloroethylene		
103	Textiles, garments, leather, Liquid or powder material	Determination of Chromium VI content.	SOP No. RSTS-CHEM-104-2 (ISO 17075-2:2017)	0.10 mg/kg
104	Textiles, garments, accessories, plastic, foam, leather, plastic, liquid & powder material.	Determination of flame retardants- Tris(chloroethyl)phosphate (TCEP); Decabromodiphenyl Ether (DecaBDE); Tris-(2,3-dibromopropyl) phosphate (TRIS); Pentabromodiphenyl Ether (PentaBDE); Octabromodiphenyl Ether (OctaBDE); Bis-(2,3-dibromopropyl) phosphate (BDBPP); Tris-(aziridinyl)phosphine oxide (TEPA); Polybrominated biphenyls (PBBs); Tetrabromobisphenol A (TBPPA); Hexabromocyclododecane (HBCDD) and all isomers; 2,2-Bis(bromoethyl)-1,3-propanediol (BBMP); Tris(1,3-dichloro-iso-propyl) phosphate (TDCP); Boric acid; Disodium tetraborate, anhydrous; Disodium octaborate; Dibromopropylether; Diboron trioxide; Heptabromodiphenyl ether (HeptaBDE); Monobromodiphenylethers (MonoBDEs); Hexabromodiphenylether	SOP No. RSTS-CHEM-256-1, (In-house Method, GB/T 29493.1:2013 (mod)) EN ISO 17881-1:2016 and EN ISO 17881-2:2016	0.05-0.16 mg/kg

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		(HexaBDE); Nonabromodiphenylether (NonaBDE); Tetraboron disodiumheptaoxide, hydrate Tetrabromodiphenylether (TetraBDE); Tribromodiphenylethers (TriBDEs); Tris-(2-chloro-1-methylethyl) phosphate (TCPP); Trixylyl phosphate (TXP), Tetrabromodiphenyl ether (TetraBDE), Hexabromodiphenyl ether (HexaBDE), Heptabromodiphenyl ether (HeptaBDE), Tris (1-chloro-2-propyl) phosphate (TCPP), Bis(2,3-dibromopropyl) phosphate (BDBPP)		
105	Textiles, garments, accessories, leather, liquid & powder material.	Determination of Glycols- Bis(2-methoxyethyl)-ether, 2-Ethoxyethanol, 2-Ethoxyethyl acetate, Ethylene glycol dimethyl ether, 2-Methoxyethanol, 2-Methoxyethylacetate, 2-Methoxypropylacetate, Triethylene glycol dimethyl ether	SOP No. RSTS-CHEM-249-1, (In-house method)	0.36-3.90 mg/kg
106	Textiles, garments, plastic, accessories, liquid, powder, leather & chemical material	Determination of Bisphenol A, Bisphenol S, Bisphenol F, Bisphenol AF, Bisphenol Z, Bisphenol B and Bisphenol AP content.	SOP No. RSTS-CHEM-239-3, (AFIRM Version 11 2026 CP 65 Settlement Case CGC-22-598022 and CGC-23-604604 CP65 Settlement Case CGC-22-603011 and CGC-23-60414) SOP No. RSTS-CHEM-239-4 (ISO 11936 :2023 ISO 21135 :2024) SOP No. RSTS-CHEM-239-2 (Testing Methods for Foodstuffs, Implements, Containers and	0.016 – 0.030 mg/kg

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			Packaging, Toys, Detergents, JETRO, Japan External Trade Organization, 2009)	
107	Textiles, garments, Plastic Liquid or powder material	Determination of the content of UV absorbers- 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320); 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327); 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328); 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350); Drometrizole.	SOP No. RSTS-CHEM-268-1, ((In house method), ISO 24040 : 2022 AFIRM RSL 2026 Version 11)	2.78 - 3.50 mg/kg
108	Textiles, garments, accessories, footwear, leather, liquid & powder material.	Determination of Quinoline content.	SOP No. RSTS-CHEM-267-1 (DIN 54231: 2022)	0.073 mg/kg
109	Textiles, garments, accessories, footwear, leather, liquid & powder material.	Determination of the preservative content- o-Phenylphenol (+Salts); Permethrin; Triclosan, TCMTB, OIT, PCMC.	SOP No. RSTS-CHEM-224-2, (ISO 13365-1 :2011)	Permithrin: 0.44 mg/kg Others:0.02-0.06 mg/kg
110	Textiles, garments, accessories.	Determination of Heavy Metal-Chromium (VI) content.	GB/T 17593.3-2006	0.06 mg/kg
111	Textiles, garments & accessories	Determination of Siloxanes for Children's Safe Product Act by GC-MS- Octamethylcyclotetra siloxane(D4); Decamethylcyclopentasiloxane(D5); Dodecamethylcyclo hexasiloxane(D6).	SOP No. RSTS-CHEM-260-2, (In-house Method)	2.132-2.776 mg/kg
112	Textiles, garments & accessories	Determination of free Styrene by solvent extraction method	SOP No. RSTS-CHEM-220-2, (EPA Method 8260C, EPA Method 3585, EPA Method	0.036 mg/kg

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			5000, (Extraction by methanol, Sonication at 60 degrees C for 60 minutes)	
113	Textiles, garments, accessories, liquid & powder materia	Determination of AEEA and Thiourea content analysis by LC-MSD.	SOP No. RSTS-CHEM-269-1 (In-house Method)	0.124 to 0.142 mg/kg
114	Textiles, garments & accessories	Determination of Formamide in foam with GC-MS analysis.	SOP No. RSTS-CHEM-255-1, (In-house Method)	0.04 mg/kg
115	Textiles, garments, raw material & accessories	Determination of Total Fluorine and Total Organic Fluorine	SOP No. RSTS-CHEM-112-1 (EN 14582:2016, US EPA 5050)	2.8 mg/kg
116	Textiles, garments, raw material & accessories	Determination of Adsorbable organically bound halogens (AOX) in Textile	SOP No. RSTS-CHEM-112-1 (ISO 9562:2004, Global organic Textile Standard (GOTS), version 6.0)	1.0 mg/kg
117	FCM	Overall migration	SOP No. RSTS-CHEM-701-2, (Commission Regulation (EU) No 10/2011. EN 1186-1:2002, EN 1186-2:2022, EN 1186-3:2022) **Test Simulant:** Simulant A: 10% Ethanol Simulant B: 3% Acetic Acid Simulant C: 20% Ethanol Simulant D1: 50% Ethanol	0.52 mg/dm2
118	FCM	Specific Migration of Heavy Metals (SM-HM)	SOP No. RSTS-CHEM-602-1, (EN 13130-1:2004)	0.001 to 0.003 mg/l
119	FCM	Specific migration of Poly Aromatic Amines (PAA) (Screening)	SOP No. RSTS-CHEM-402-4, (With reference to EN 13130-1:2004. Analysis was performed by UV-Vis Spectrophotometer	0.34 µg/l
120	FCM	Specific migration of Formaldehyde	SOP No. RSTS-CHEM-503-1, (With reference to EN 13130-1:2004 for selection of test method. Analysis was performed by UV-vis Spectrophotometer	0.02 mg/l
121	FCM	Specific migration of Bisphenol A	SOP No. RSTS-CHEM-537-1,	0.0021 mg/l

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			(With reference to EN 13130-1:2004. Analysis was performed by HPLC-MS)	
122	Water, wastewater & sludge	Alkylphenols (APs) and Alkylphenol Ethoxylates (APEOs): Octylphenol (OP), mixed isomers Nonylphenol (NP), mixed isomers Octylphenol ethoxylates (OPEO) Nonylphenol ethoxlates (NPEO)	BD-RSTS-OR-SOP-102-01, (With reference to ISO 18254-1, ISO 18857-2 Followed by LC/MS & GCMS analysis)	0.1-0.24 µg/l
123	Water, wastewater & sludge	Chlorobenzenes and Chlorotoluenes: Monochlorobenzenes 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,3,5-Trichlorobenzene 1,2,3,4-Tetrachlorobenzene 1,2,3,5-Tetrachlorobenzene 1,2,4,5-Tetrachlorobenzene Pentachlorobenzene Hexachlorobenzene 2-Chlorotoluene 3-Chlorotoluene 4-Chlorotoluene 2,3-Dichlorotoluene 2,4-Dichlorotoluene 2,5-Dichlorotoluene 2,6-Dichlorotoluene 3,4-Dichlorotoluene 3,5-Dichlorotoluene 2,3,4-Trichlorotoluene 2,3,6-Trichlorotoluene 2,4,5-Trichlorotoluene 2,4,6-Trichlorotoluene 3,4,5-Trichlorotoluene 2,3,4,5-Tetrachlorotoluene 2,3,4,6-Tetrachlorotoluene 2,3,5,6-Tetrachlorotoluene Pentachlorotoluene	BD-RSTS-OR-SOP-103-01 (USEPA 8260B, USEPA 8270D, Dichloromethane extraction followed by GC/MS analysis)	0.001-0.008 µg/l

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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
124	Water, wastewater & sludge	Chlorophenols: 2-Chlorophenol 3-Chlorophenol 4-Chlorophenol 2,3-Dichlorophenol 2,4-Dichlorophenol 2,5-Dichlorophenol 2,6-Dichlorophenol 3,4-Dichlorophenol 3,5-Dichlorophenol 2,3,4-Trichlorophenol 2,3,5-Trichlorophenol 2,3,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 3,4,5-Trichlorophenol 2,3,4,5-Tetrachlorophenol 2,3,4,6-Tetrachlorophenol 2,3,5,6-Tetrachlorophenol Pentachlorophenols	BD-RSTS-OR-SOP-107-01, (USEPA 8270E, Solvent extraction and derivatization with KOH, acetic anhydride followed by GC/MS analysis)	0.021-0.065 µg/l
125	Water, wastewater & sludge	AZO Dyes: 4-Aminodiphenyl Benzidine 4-Chloro-o-Toluidine 2-Naphthylamine o-Aminoazotoluene 2-Amino-4-Nitrotoluene p-Chloroaniline 2,4-Diaminoanisole 4,4'-Diaminodiphenylmethane 3,3'-Dichlorobenzidine 3,3'-Dimethoxybenzidine 3,3'-Dimethylbenzidine 3,3'-Dimethyl-4,4'diaminodiphenylmethane p-Cresidine 4,4'-Methylene-Bis(2-Chloroaniline) 4,4'-Oxydianiline 4,4'-Thiodianiline o-Toluidine 2,4-Toluylenediamine 2,4,5-Trimethylaniline o-Anisidine	BD-RSTS-OR-SOP-101-01 (With reference to EN 14362-1 & 3 and Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC-DAD analysis)	0.01-0.06 µg/l

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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		p-Aminoazobenzene 2,4-Xylidine 2,6-Xylidine		
126	Water, wastewater & sludge	Allergenic Disperse Dyes & Carcinogenic Dyes: Acid Red 26 Basic Blue 26 Basic Green 4 (malachite green) Basic Green 4 (malachite green chloride)^ Basic Green 4 (malachite green oxalate)^ Basic Red 9 Basic Violet 14 Direct Black 38 Direct Blue 6 Direct Red 28 Disperse Blue 1 Disperse Blue 3 Disperse Orange 11 Disperse Brown 1 Disperse Blue 7 Disperse Blue 26 Disperse Blue 35 Disperse Blue 102 Disperse Blue 106 Disperse Blue 124 Disperse Orange 1 Disperse Orange 3 Disperse Orange 37/59/76 Disperse Red 1 Disperse Red 11 Disperse Red 17 Disperse Yellow 1 Disperse Yellow 3 Disperse Yellow 9 Disperse Yellow 39 Disperse Yellow 49 Acid Violet 49 Basic Violet 3 with >0.1% of Michler's Ketone Navy Blue, Quinoline	BD-RSTS-OR-SOP-104-01, (Liquid extraction followed by HPLC-MSD-DAD analysis)	0.04 - 0.15 µg/l
127	Water, wastewater	Flame Retardants:	BD-RSTS-OR-SOP-113-01,	For FR:

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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
	& sludge	Pentabromodiphenyl ethers (PentaBDE) Octabromodiphenyl ethers (OctaBDE) Decabromodiphenyl ethers (DecaBDE) Tris(2-chloroethyl) phosphate (TCEP) Tris(1-aziridinyl) phosphine oxide) (TEPA) Tetrabromobisphenol A (TBBPA) Hexabromocyclododecane (HBCDD) Bis(2,3-dibromopropyl) phosphate (BIS) Tris(2,3-dibromopropyl) phosphate (TRIS) 2,2-Bis(bromomethyl)-1,3-propanediol (BBMP) Tris(1,3-dichloro-2-propyl) phosphate (TDCPP) Dibromopropylether Short Chain Chlorinated Paraffins (SCCP), C10-C13 (MCCP), C14-C17	(USEPA 527, USEPA 8270E, USEPA 8321B, ISO 18219:2021, Solvent extraction followed by GC/MS analysis)	0.02-0.939 µg/l For SCCP: 0.058 µg/l
128	Water, wastewater & sludge	Glycols: Bis(2-methoxyethyl)-ether 2-Ethoxyethanol 2-Ethoxyethyl acetate Ethylene glycol dimethyl ether 2-Methoxyethanol 2-Methoxyethylacetate 2-Methoxypropylacetate Triethylene glycol dimethyl ether	BD-RSTS-OR-SOP-112-01, (USEPA 8270E, Solvent extraction followed by GC/MS analysis)	0.096 - 0.27 µg/l
129	Water, wastewater & sludge	Halogenated solvent & Volatile Organic Compounds (VOC): 1,2-Dichloroethane Methylene chloride Trichloroethene Tetrachloroethene Benzene Toluene Xylene	BD-RSTS-OR-SOP-109-01, (USEPA 8260D, Head-space & Solvent extraction followed by GC/MS analysis)	0.12-0.34 µg/l

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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		o-cresol p-cresol m-cresol		
130	Water, wastewater & sludge	Organotin Compounds: Mono-, di- and tri-methyltin derivatives Monomethyltin (MMT) Dimethyltin (DMT) Trimethyltin (TMT) Mono-, di- and tri-butyltin derivatives Monobutyltin (MBT) Dibutyltin (DBT) Tributyltin (TBT) Mono-, di- and tri-octyltin derivatives Monooctyltin (MOT) Dioctyltin (DOT) Trioctyltin (TOT) Mono-, di- and tri-phenyltin derivatives Monophenyltin (MPhT) Diphenyltin (DPhT) Triphenyltin (TPhT) Dipropyltin (DPrOT) Tetraoctyltin (TeOT) Tricyclohexyltin (TCyT) Tripropyltin (TPT) Tetrabutyltin (TeBT) Tetraethyltin (TeET)	BD-RSTS-OR-SOP-105-01 (With reference to ISO 17353 and followed by GC/MS analysis)	0.006-0.009 µg/l
131	Water, wastewater & sludge	Determination of poly & per fluorinated compounds (PFAS): PFOS PFOA PFBS PFHxA PFOS-K PFOS-Li PFOS-NH4 PFOS-NH(OH)2 PFOS-N(C2H5)4 EtFOSA MeFOSA	BD-RSTS-OR-SOP-110-01 {Ionic PFAS: With reference to EPA 537-1:2020 and followed by LC-MSMS/LCMS analysis. BD-RSTS-OR-SOP-111-01 (Non-ionic PFAS (FTA/FTOH): Solvent extraction & derivatisation with acetic anhydride followed by GC/MS analysis}	For Ionic PFAS: 0.0026 - 0.003 µg/l For Non-ionic PFAS: 0.006-0.01 µg/l

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		EtFOSE MeFOSE POSF PFOSA PFOA-Na PFOA-K PFOA-Ag PFOA-F APFO 8:2 FTS Me-PFOA Et-PFOA 8:2 FTA 8:2 FTMA 6:2 FTOH 8:2 FTOH		
132	Water, wastewater & sludge	Phthalates: Di(2-Ethyl Hexyl) Phthalate (DEHP) Bis(2-methoxyethyl) phthalate (DMEP) Di-N-Octyl Phthalate (DNOP) Di-Iso-Decyl Phthalate (DIDP) Di-Iso-Nonyl Phthalate (DINP) Di-N-Hexyl Phthalate (DNHP) Dibutyl Phthalate (DBP) Benzyl Butyl Phthalate (BBP) Dinonyl phthalate (DNP) Diethyl Phthalate (DEP) Di-N-Propyl Phthalate (DPRP) Di-Iso-Butyl Phthalate (DIBP) Dicyclohexyl Phthalate (DCHP) Di-Iso-Octyl Phthalate (DIOP) 1,2-Benzenedicaboxylic acid, Di-C7-11 Branched and Linear Alkyl Esters (DHNUP) 1,2-Benzenedicaboxylic acid, Di-C6-8 Branched Alkyl Esters, C7-rich (DIHP)	BD-RSTS-OR-SOP-108-01, (USEPA 8270E, ISO 18856, Solvent extraction followed by GC/MS analysis)	0.068-0.1946 µg/l
133	Water, wastewater & sludge	Polycyclic Aromatic Hydrocarbons (PAHs): Bezno[a]pyrene (BaP) Anthracene	BD-RSTS-OR-SOP-106-01, (USEPA 8270E, Solvent extraction followed by GC/MS analysis)	0.026-0.382 µg/l

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		Pyrene Benzo[ghi] perylene Benzo[e]pyrene Indeno[1,2,3-cd] pyrene Benzo[j]fluoranthene Benzo[b]fluoranthene Fluoranthene Benzo[k]fluoranthene Acenaphthylene Chrysene Dibenz[a,h]anthracene Benzo[a]anthracene Acenaphthene Phenanthrene Fluorene Naphthalene		
134	Water, wastewater & sludge	Heavy Metals: Total Antimony (Sb) Total Arsenic (As) Total Cadmium (Cd) Total Chromium (Cr) Total Hexavalent Chromium (Cr-VI) Total Cobalt (Co) Total Copper (Cu) Total Lead (Pb) Total Mercury (Hg) Total Nickel (Ni) Total Silver (Ag) Total Zinc (Zn) Total Barium (Ba) Total Selenium (Se) Total Boron Total Tin	BD-RSTS-INOR-SOP-201-01 BD-RSTS-INOR-SOP-202-01 (USEPA 200.7:1994, USEPA 200.8:1994, EPA 3050, EPA 3051A, USEPA 6010C:2000, USEPA 6020A:1998, USEPA 6020B Acid Digestion with ICP-OES or ICP/MS analysis; Solvent extraction and derivatisation followed by UV/Vis analysis), ISO 18412:2005, Alkaline digestion, 3060A:1996, 7196 A:1992 EPA 6010D:2018 EPA 1311:1992	0.0001-0.0015 mg/l
135	Water, Wastewater	Determination of 2-(2-aminoethylamino) ethanol (AEEA), Thiourea, Quinoline	BD-RSTS-OR-SOP-115-01, BD-RSTS-OR-SOP-114-01, (Liquid extraction followed by LCMS/LCMS-MS analysis)	0.0031 to 6.20 µg/l
136	Water / wastewater	AOX (Adsorbable Organic Halogens)	BD-RSTS-INOR-203-01 (ISO 9562:2004)	0.0170 mg/l

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137	Water, Wastewater	Determination of Bisphenol A, o-Phenylphenol (+salts), Triclosan and Permethrin	BD-RSTS-OR-SOP-118-01 (Solvent extraction & derivatization with BSTFA+TMCS followed by GC/MS analysis)	0.0252 to 0.0290 µg/l
138	Water, Wastewater	Determination of UV Absorbers-2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320); 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327); 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328); 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350).	BD-RSTS-OR-SOP-117-01, (Dichloromethane extraction followed by GCMS analysis)	1.126-2.410 µg/l
139	Water & Wastewater	Determination of Dimethyl formamide	BD-RSTS-OR-SOP-116-01, (EPA 8015, EPA 3535A, (Solid-phase Extraction followed by GC-MS analysis)	2.7904 µg/l
Field: ENVIRONMENTAL				
1	Ambient Air	Measurement of Suspended Particulate Matter (SPM) in ambient air	In-house method based on IS 5182-4 (1999)	5 µg/m^3
2	Ambient Air	Measurement of Respirable Particulate Matter (PM10) in ambient air	In-house based on IS 5182 (Part-23): 2006	5 µg/m3
3	Ambient Air	Measurement of Sulphur dioxide in ambient air	In-house based on IS: 5182 (Part 2): 2001	5 µg/m3
4	Ambient Air	Measurement of Nitrogen oxides in ambient air	In-house based on IS: 5182 (Part 6): 2006	5 µg/m3
5	Stack Emission	Measurement of Suspended Particulate Matter (SPM) from stationary sources	In-house method based on IS: 11255 (Part 1) - 1985	1 mg/m3

END

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