



ACCREDITATION CERTIFICATE

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

TÜV SÜD Bangladesh (Pvt.) Ltd.

Level 7 & 8, Update Tower, 01 Shajalal Avenue

Sector 6, Uttara Model Town, Dhaka, 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 : **01.022.15**
Accreditation Date : **16 April 2015**
Date of Issuance : **29 May 2024**
Date of Expiration : **15 April 2027**



29.05.2024
Md. Anwarul Alam
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.

SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address: TÜV SÜD Bangladesh Pvt. Ltd., Update Tower, Level 8, 12 & 14, 01 Shajalal Avenue, Sector -06, Uttara Model Town, Dhaka - 1230, Bangladesh

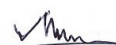
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Amendment no: 01

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 Testing				
01	Textile, Yarn	Tensile Properties of Yarns Single-Strand Method	ASTM D 2256/ D 2256M – 21 ISO 2062:2009	1N – 500 N
02	Leather & Accessories	Tensile and elongation at break	ISO 3376:2020 SATRA TM43:2021 ISO 17706:2003 SATRA TM 29: 2019 SATRA TM 2-2021 SATRA TM 137-2024 GB/T 528-2009 ASTM D 412-16(2021) ISO 22654:2002	1 N to 3000 N
03	Textile, Garments	Breaking Strength and Elongation (Grab Test)	ASTM D 5034-21(2025) ISO 13934-2: 2014 CAN/CGSB 4.2 No. 9.2 -M90 (R2013) AS 2001.2.3.2 : 2001(R2016)	10N to 3000 N 0- 200%
		Breaking Force and Elongation (Strip Method)	ASTM D 5035 - 11 (2024) ISO/ BS EN ISO 13934-1 :2013 CAN/CGSB 4.2 No. 9.1-M 90: 2013 AS 2001.2.3.1: 2001(2016) SASO 2139/2003	10N to 3000 N 0- 200%
04	Textile, Garments	Bursting strength –Diaphragm –Pneumatic –Ball Burst	ASTM D 3786/D 3786M-18 (2023) ISO 13938-1 :2019 ISO 13938-2 :2019 CAN/CGSB 4.2No.11.1: 94 (R2013) ASTM D 3787-16 (2020)	200-700 KPa 10N 1000N
05	Textile, Garments	Seam Properties – Seam Strength – Seam Slippage	ISO 13935 – 1:2014 ISO 13935 – 2:2014 ASTM D434-1995 ASTM D1683 / D1683M –22 ISO 13936 – 1:2004 ISO 13936 – 2:2004 BS 3320 - 1988 AS 2001.2.22: 2006(R2016) AS 2001.2.20: 2004(R2016) AS 2001.2.21: 1989(R2016)	2.5N to 3000 N 0 - 80% Up to 10mm
06	Textile, Garments	Seam Stretchability test	TS 015	10N to 3000 N 0- 200%
07	Textile, Garments	Tearing strength of Fabrics (Elmendorf)	ASTM D 1424 – 21 ISO 13937-1: 2000/Cor 1:2004	3 N – 50 N (320gf–5120 gf)


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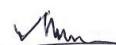
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		Tearing strength of Fabrics (Single Rip)	ASTM D 2261 -13 (2024) BS 4303 – 1968 ISO 13937-2 : 2000 ISO 13937-3: 2000	3 N – 50 N (320gf–5120 gf)
		Tearing strength of Fabrics (Double tear)	ISO 13937-4: 2000	3 N – 50 N (320gf–5120 gf)
08	Leather Footwear	& Tearing and Seam Strength	ISO 3377-1:2011 ISO 3377-2:2016 EN 13571:2001/AC:2003 SATRA TM162:2017 SATRA TM 30: 2017 ISO 34-1: 2022 ASTM D624: 2000(2020) SATRA TM218: 1999 ISO 20872: 2018 SATRA TM 5:2000 ISO 17696: 2004 SATRA TM -180 2016 BS EN 13572-2002 ISO 17697:2016 BS 5131- 5.13- 1980	1 N to 3000 N
09	Textile, Garments	Abrasion resistance (Martindale)	ISO 12947 – 1:1998/ Cor.1 2002 ISO 12947 – 2: 2016 ISO 12947 – 3: 1998/ Cor.1 2002 ISO 12947 –4: 1998/ Cor.1 2002 ASTM D4966-22	Up to 99999 rubs for breakdown Up to 30% of weight loss 1 to 5 Grade
10	Textile, Garments	Pilling Resistance -Pilling Box Method -Martindale Method -Random Tumble Method	ISO 12945-1: 2020 ISO 12945-2: 2020 ISO 12945-3: 2020 ISO 12945-4: 2020 ASTM D4970 / D4970M-22 ASTM D3512 /D3512 M-22	1 to 5 Grade
11	Textile, Garments	Yarn number based on short length specimens	ASTM D 1059 – 17 (2022) ISO 7211/5 –2020 GTP_Phy_CPS_25521A	1s – 120s Ne
12	Textile, Garments	Mass per unit area & unit length of Fabric	BS 2471-2005 ASTM D3776/ D3776 M –20 (R2025) Option – C ISO 3801 - Method 5:1977 BS EN 12127 – 1998 DIN EN 12127 – 1997 AS 2001. 2.13-1987 GTP_Phy_CPS_25199A SASO 1938: 2001 Method 5	5 GSM – 500 GSM Full range


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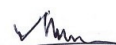
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13	Textile, Garments	Threads per Unit Length / Fabric count (Stitch density)	BS 2862 -1990 ASTM D3775 – 17(2023) BS EN 1049 – 2 : 1994 (DIN) ISO 7211/2 – 2024 ASTM D3887 – 96 (2008) BS 5441 – 1988+A1:2019 DIN EN14971:2006 ASTM D8007-24	1 to 100 per cm
14	Textile, Garments	Fabric width	ISO 22198:2006 ASTM D3774 – 18(2024)	1- 300 cm
15	Zipper & Toys	Strength Tests for Zippers/Zipper Operability	BS 3084 – 2006 ASTM D2061 – 07 (2021) 16 CFR 1500.53 DIN 3419-1: 1998 AS 2332 – 2003 BS EN/DIN EN/EN 16732:2025 ASTM D2062-03(2021)	1kgf – 300 kgf (9.81 N to 2942 N) (0.1 lbf to 10 lbf)
16	Textile, Garments	Test for resistance to reciprocation	BS 3084-2006 (Annex F) AS 2332:2003(Annex E, Test 5)	Up to 99999 cycles
17	Textile, Garments	Resistance to Unsnapping of snap fasteners	ASTM D4846 - 96(2021)	1 kgf – 60 kgf (9.81 N to 590 N)
18	Textile, Garments	Stretch and Recovery / Tension and Elongation of Elastic Fabrics	BS EN /DIN EN/EN 14704-1&3: 2005. BS EN ISO 20932-1: 2020+A1:2021 ISO 20932-3:2018 ASTM D4964-96 (2020) ASTM D3107 – 07(2019) ASTM D2594:2021	1 to 200 %
19	Textile, Garments	Resistance to Surface Wetting (Spray Test)/Water repellency	ISO/ BS EN ISO 4920 - 2012 AATCC TM22 – 2017e SATRA TM201:2021	ISO 1 to ISO 5 (0 to 100)
20	Textile, Garments	Snagging Resistance by the Rotating Chamber (Snag Pod Method)	BS 8479: 2008	1 to 5 Grade
21	Textile, Garments, Accessories and Toys	Torque Test	EN 71 PART 1-CLAUSE-8.3 :2014+A1:2018, 16 CFR 1500.51/52/53	Qualitative
22	Textile, Garments and Toys	Attachment/Pull Off Strength of Snap/Button/Rivets / Safety of toys (Mechanical and physical properties)	BS 7907-2007: Annex-B CEN/TR 16792:2014 ASTM F963 – 23. 16 CFR 1500.53 EN 71-1:2011+A3:2014 BS EN 71 Part-1:2014+A1:2018	1 N – 600 N (0.1 kg – 60 kg)


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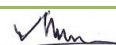
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			CEN/TS 17394-1:2021 DIN EN 17394-2:2020 CEN/TS 17394-3:2021 CEN/TS 17394-4:2021 ISO 8124-1:2022 EN 71-1:2011+A3:2014 Clause 8.5 (Drop test) EN 71-1:2011+A3:2014 8.7 (Impact test), EN 71-1:2011+A3:2014 8.8(Compression test)	
23	Textile, Garments, Toys products (Textile Metal Glass, Plastic, stone Leather Accessories) in Garments, Metal Jewellery, other article intended to use for children	Small Parts – Choking Hazard Test (Small part cylinder of 31.7 mm inner diameter)	EN/ BS EN 71 PART 1- 8.2:2014+A1:2018, 16 CFR 1501, ASTM F963-23, Sec-4.6	Qualitative
24	Textile, Garments, Toys products (Textile Metal Glass, Plastic, stone Leather Accessories) in Garments, Metal Jewelry, other article intended to use for children	Determination of Sharp Points Under a Force of 4.45 N (1 Pound)	EN/ BS EN 71 PART 1- CLAUSE-8.12:2014+A1:2018, 16 CFR 1500.48 (Sharp Point) ASTM F963-23, Sec-4.9 (Sharp Point)	Qualitative
25	Textile, Garments, Toys products (Textile, Metal Glass, Plastic, stone, Leather Accessories) in Garments, Metal Jewelry, other article intended to use for children	Determination of Sharp Edges Under a force of up to 8.90 N (2 Pound)	EN/ BS EN 71 PART 1- CLAUSE- 8.11:2014+A1:2018, 16 CFR 1500.49 (Sharp Edges), ASTM F963-23, Sec. 4.7(Sharp Edges)	Qualitative


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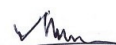
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26	Textile, Garments, Toys products	Safety of children's clothing. Cords and drawstrings on children's clothing. Specifications	EN 14682: 2014 CEN/TR 17376-2019 GB/T 22702: 2019 GB/T 22705: 2019 ASTM F1816-18(2024) JIS L4129-2015	Qualitative
27	Leather	Thickness	ISO 2589:2016 SATRA TM1:2021	0.1 mm to 50 mm
28	Leather and Footwear	Flexing Resistance - Whole Shoe _Room Temp to Low Temp.	SATRA TM92:2016 ISO 24266:2020	Qualitative (up to 999999)
29	Leather and Footwear	Flexing Resistance - Outsole (Ross) _Room Temp to Low Temp.	SATRA TM60:2020 ISO 5423: 1992 Annex C ISO 4643:1992 (R2019) Annex C	Qualitative (up to 999999)
30	Leather and Footwear	Flexing Resistance - Outsole (Bennewart) _Room Temp to Low Temp	SATRA TM161:2004 ISO 17707:2005	Qualitative (up to 999999)
31	Leather and Footwear	Abrasion Resistance - Outsole (Drum)Low Temp. Abrasion resistance	SATRA TM174:2016 ASTM D5963-22 ISO 4649:2017 DIN EN 12770: 2000 ISO 17076-1: 2020 ISO 20871: 2018	1 mm ³ to 1500mm ³
32	Leather and Footwear	Martindale Abrasion Resistance	SATRA TM31:2021 DIN EN 13520:2005 ISO 17704: 2004	Qualitative (up to 999999)
33	Leather and Footwear	Peel Strength of Footwear Sole Bonds	SATRA TM411: 2025 ISO 17708: 2018 SATRA TM281: 2002 BS 5131-5.4:1978	2 N/mm to 100 N/mm
34	Leather and Footwear	Lastometer Ball Burst Test	SATRA TM24:2017 SATRA TM166:2016 ASTM D2207-00(2025) ISO 3379:2015	0.1 kg to 80 kg, 0.1 mm to 15mm
35	Leather and Footwear	Attachment Strength of Eyelets	SATRA TM150:1999	2 N to 2500N
36	Leather and Footwear	Attachment Strength of Shoelace Tags	SATRA TM175:2018	2 N to 2500N
37	Leather and Footwear	Hardness of PU, Plastics and Rubber - IRHD, Shore	SATRA TM205:2017 ASTM D2240-15(2021) DIN 53505:2000 ISO 7619-1:2010 ISO 868: 2003 GB 25036: 2021	10 to 90


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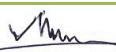
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38	Leather and Footwear	Density of Leather, Leather board, Insole board, Insole material	SATRA TM12:2016 ISO 2420:2017	0.1 to 10 g/cm ³
39	Leather and Footwear	Density of Materials by volume displacement	SATRA TM134: 2024 ISO 2781:2018	0.1 mg/mm ³ to 5 mg/mm ³
40	Leather and Footwear	Bally Flexing	SATRA TM55:1999 ISO 17694: 2016 ISO 5402-1:2017	Up to 99999 rubs for breakdown 1 to 5 Grade
41	Leather and Footwear	Strength of fastened buckles Pulling strength of strap (strap as upper)	SATRA TM151:1999 ISO 24263:2020	2 N to 2500N 1 N to 4500 N
		Attachment Strength of - Decorative trim -Straps & Nailed or stapled uppers -Eyelet Facings & other laced fastenings - Strap / buckle attachment - Sandal post attachment - Tab Strength -Attachment strength of accessories -Delamination resistance -Adhesion of finish -Strength of attachment of heels - Top piece attachment strength - Closure strength of touch and close fasteners	SATRA TM117:2023 SATRA TM120:2021 SATRA TM149:2021 SATRA TM181:2017, SATRA TM118:2025 SATRA TM165:1992 ISO 24263:2020 ISO 17698:2016; SATRA TM 410:1995 ISO 11644:2022 SATRA TM113:2022 BS EN 12785:2000 ISO 22650:2018 SATRA TM108:2021 SATRA TM123:2018(Method 1 & 3), ISO 22776: 2004, ISO 22777: 2004	
42	Leather and Footwear	Breaking force of buckles- Three point ending test Breaking force, extension at break, and tightness of Tape and Bindings, Threads Breaking force, extension at breaking of shoe lace	SATRA TM141:1994 SATRA TM106:1994 SATRA TM74:2019 SATRA TM94:2018 BS 5131-3.7-1991	1 N to 4500N 1% to 200%
43	Textile, Garment	Water Resistance: Impact	ISO 18695:2007	0.1 to 100 g


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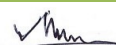
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	& Fabrics	Penetration Test	AATCC TM42:2017e	
44	Textile, Garment, Leather, Footwear & Fabrics	Fiber shedding or Pile loss	In-House Test Method (ID: 126121) SATRA TM227:2018	1 to 5 Grade
45	Textile, Garment & Fabrics	Determination of the thermal resistance of textiles	BS 4745:2005 DIN EN 16781: 2019 ISO 5085-1:1989	Tog value
46	Textile, Garment & Fabrics	Safety requirements and test methods for children's sleep bags for use in a cot/ Safety requirements and test methods for children's cot duvets. Duvet (excluding duvet covers) specifies requirements for the safety of children's cot bumpers	DIN EN 16781:2019 Clause 4.1 to 4.5 & 5 to 5.5 DIN EN 16779-1:2019 Clause 4.1 to 4.5 & 5 to 5.5 EN 16780:2018	Qualitative
47	Footwear & Accessories	Rapid sole Adhesion strength	SATRA TM404:2020 BS 5131-5.1-1990	1 N to 980 N
48	Footwear & Accessories	Lace to Lace Abrasion	SATRA TM154:2018 ISO 22774-2004	1-999999 cycles
49	Footwear & Accessories	Compression set	ISO 815-1:2019	1-150%
50	Footwear & Accessories	Aging test	ISO 20870: 2017 EN 12749: 1999 SATRA TM409:1993	Qualitative
51	Footwear & Accessories	Slip resistance	ASTM F609-05(2013) SATRA TM144:2021 ISO 13287:2019 ASTM F2913:2024 ISO 24267:2020	0.1 to 1.0 CoF to 0.1 1 N to 1000 N
52	Textile, Garments	Drying Rate of Fabrics: Heated Plate	AATCC TM201-2012 (2014)e3	N/A
53	Textile, Garments	Snagging Resistance of Fabrics (Mace)	ASTM D3939/D3939M-13 (Reapproved 2017)	Qualitative (Grade 1 to 5)
Field: Chemical Testing				
01	Leather and Footwear	Colour fastness to Rubbing - Veslic	ISO 11640:2018 ISO 17700:2019 SATRA TM173:2021	Qualitative (Grade 1 to 5)
02	Leather and Footwear	Colour fastness to Rubbing - (Crock meter)	SATRA TM167:2017 BS EN ISO 20433: 2024	Qualitative (Grade 1 to 5)


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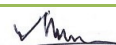
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03	Leather and Footwear	Colour fastness to Perspiration	SATRA TM335:2018 ISO 11641:2012	Qualitative (Grade 1 to 5)
04	Leather and Footwear	Colour fastness to water	SATRA TM335:2018 ISO 11642:2012	Qualitative (Grade 1 to 5)
05	Leather and Footwear	Colour fastness to water spotting	ISO 15700:1998 SATRA TM185:2021	Qualitative (Grade 1 to 5)
06	Textile, Garment, Accessories & Footwear	Dimensional stability to washing Shrinkage single strand Washability of Footwear	ISO 6330:2021, BS EN ISO 6330:2021, ISO 5077:2007, ISO 3759:2011, AATCC TM135-2018t, AATCC TM150-2018t. AS 2001.5.4:2005(R2016) GB/T 8628-2013 GB/T 8629-2017 GB/T 8630-2013 SASO ISO 3759:2011 SASO 2400/2005 SASO 2140/2003 ASTM D204-02 (Reapproved2021) SATRA TM158:2018 ISO 19954: 2003	Elongation & Shrinkage 0 to 50%
07	Textile, Garment & Accessories	Dimensional stability to dry cleaning	ISO/ BSEN ISO 3175-1&2 :2018, ISO 3175 - 3: 2017 ISO 3175 - 4:2018 AATCC TM158 -1978e10(2016)e	0 to ± 50%
08	Textile, Garment & Accessories	Appearance after fabric after repeated home laundering	AATCC TM124 – 2018te, ISO 7768:2009	Grade: SA -1 to SA – 5
09	Textile, Garment & Accessories	Smoothness of seams in fabrics fabric after repeated home laundering	AATCC TM88B – 2018te, ISO 7770:2009, BS ISO 7770:2009	Grade: SS -1 to SS – 5
10	Textile, Garment & Accessories	Retention of creases in fabrics after repeated home laundering	AATCC TM88C – 2018te, ISO 7769:2009, BS ISO 7769:2009	Grade: CR -1 to CR - 5
11	Textile, Garment & Accessories	Appearance of apparel and other textile products after repeated	AATCC TM143: 2018te ISO 15487: 2018	Grade: SA -1 to SA – 5 Grade : SS -1 to SS – 5 Grade : CR -


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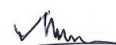
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		home laundering		1 to CR - 5
12	Textile, Garment & Accessories	Appearance (visual assessment) after laundering	GTP_Phy_CPS_25195A GTP_Phy_CPS_60107A	1 to 5 Grade Spirality: Up to ± 50 %
13	Textile, Garment & Accessories	Assessing appearance of apparel and other textiles end products after domestic washing and drying	ISO 15487: 2018	Grade: SA -1 to SA - 5 Grade : SS -1 to SS - 5 Grade : CR - 1 to CR - 5
14	Textile, Garment & Accessories	Spirality / Skewing of fabrics & garment	AATCC TM179 - 2023, AATCC TM207-2019 ISO 16322-1: 2005, ISO 16322-2: 2021, ISO 16322-3 : 2021	Up to ± 50 %
15	Textile, Garment & Accessories	Bow & Skewness	ASTM D3882 – 08 (2020)	Up to ± 50 %
16	Textile, Garment & Accessories	Durability wash of garment/ Print/motif/applique/embroidery	GTP_Phy_CPS_25200A	Qualitative
17	Textile, Garment & Accessories	Colour fastness to washing	ISO 105 C06-2010, BS EN ISO 105 C06 - 2010, ISO 105 C08-2010, ISO105 C09-2001(Amd1-2003), ISO 105 C10-2006, AATCC TM61- 2013e(2020) e2, ASTM D204-2 (Reapproved 2021) CAN/CGSB-4.2 No.19.1 – 2004 (R2013), AS 2001.4.15 – 2006 GB/T 12490-2014 GB/T 3921-2008 SASO 2329/2005	1 to 5 Grade
18	Textile, Garment & Accessories	Colour fastness to perspiration	ISO 105 E04-2013 BS EN ISO105 E04-2013 AATCC TM15-2021e CAN/CGSB 4.2 No.23 -M 90: (R2013) AS 2001.4.E04 – 2005(R2016) GB/T 3922-2013 SASO 171/GS 1268:2002 ITX_GB/T 3922:2013	1 to 5 Grade
19	Textile, Garment & Accessories & Leather	Colour fastness to rubbing / crocking	AATCC TM8-2016e(2022)e ISO 105 X12 – 2016 AS 2001.4.3 – 1995(R2016), CAN/CGSB 4.2 No. 22 – 2004(R2013), GB/T 3920-2024	1 to 5 Grade


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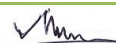
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
			SASO 2330/2005	
20	Textile, Garment & Accessories	Colour fastness to water	ISO105 E01-2013 BS EN ISO 105 E01-2013 AATCC TM107-2022e AS 2001.4.E01 – 2001(R2016), CAN/CGSB 4.2 No.20 – M 89(R2013), GB/T 5713-2013 ITX_GB/T 5713:2013	1 to 5 Grade
21	Textile, Garment & Accessories	Colour fastness to sea water	ISO 105 E02 - 2013 BS EN ISO 105 E02 – 2013, AATCC TM106- 2009e (2013)e3 AS 2001.4.E02 – 2001(R2016), CAN/CGSB 4.2 No.21 - M90(R2013)	1 to 5 Grade
22	Textile, Garment & Accessories	Colour fastness to chlorinated water (swimming pool water)	ISO 105 E03-2010, BS EN ISO 105 E03-2010 AS 2001.4.5:1983 AATCC TM162:2011e2	1 to 5 Grade
23	Textile, Garment & Accessories	Colour fastness to dry cleaning	ISO 105 D01-2010 AATCC TM132- 2004e3(2013) e3 BS EN ISO 105 D01-2010 GB/T 5711-2015 SASO 2324/2005	1 to 5 Grade
24	Textile, Garment & Accessories	Colour fastness to water spotting	ISO 105 E07-2010 AATCC TM104- 2010(2014)e2	1 to 5 Grade
25	Textile, Garment & Accessories	Colour fastness to acid / acid spotting	ISO 105 E05:2010 AATCC TM6-2021	1 to 5 Grade
26	Textile, Garment & Accessories	Colour fastness to alkali / alkali spotting	ISO 105 E06:2006 AATCC TM6-2021	1 to 5 Grade
27	Textile, Garment & Accessories	Colour fastness to bleaching (Hypochlorite/Peroxide)/ Quick methods for colorfastness to chlorine non-chlorine	ISO 105 N01:1993 ISO 105 N02:1993 TS 001	1 to 5 Grade
28	Textile, Garment & Accessories	Colour fastness to organic solvents	ISO 105 X05:1994	1 to 5 Grade
29	Textile, Garment & Accessories	Colour fastness to Phenolic Yellowing	ISO 105 X18 :2007	1 to 5 Grade
30	Textile, Garment & Accessories	Colour fastness to hot pressing/Dry heat	AATCC TM133 – 2020e BS EN ISO 105 X11:1996, ISO 105 X11:1994 ISO 105-P01:1993	1 to 5 Grade
31	Textile, Garment & Accessories	Fibre analysis- Qualitative & Quantitative	AATCC TM20- 2021 AATCC TM20A-2021e	Up to 100%


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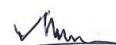
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			ISO 1833 Part 1:2020 ISO 1833 Part 2:2020 ISO 1833 Part 3:2019 ISO 1833 Part 4:2017, ISO 1833 Part 6:2018, ISO 1833 Part 7:2017, ISO 1833 Part 11:2017, ISO 1833 Part 12:2020, ISO 1833 Part 16:2019, ISO 1833 Part 18:2020, ISO 1833 Part 20:2018, ISO 1833 Part 21:2019, ISO 1833 Part 22:2020, ISO 1833 Part 29:2020, ISO 20705:2019, ISO 20706:2019 ISO / TR 11827:2016 ISO 17751-1:2023, JIS L1030-1&2:2012, SASO 781/GS 431 : 1994 EU 1007/2011 GB/T 2910:2009 FZ/T 01057: 2007 AS 2001.7-2005 (R2016) KS K 0210:2015 ASTM D 629 – 15	
32	Textiles, Leather, Toys, Polymers (Fibers, Yarns, Fabrics, Garments and Their Accessories and Chemicals	Presence of Odor	LAB_P_SOP_134: 2021. (Based on SNV 195651-2015) GB 18401:2010, clause 6.7	Qualitative test
33	Textile, Garment & Accessories	Colour fastness to Light/ light of textiles wetted with artificial perspiration	ISO105 B02-2014 AATCC TM16.3 – 2020 BS EN ISO 105 B02 – 2014 AS 2001.4.B02:2001(R2016) GB/T 8427-2019 ISO 105 B07-2009 AATCC TM125- 2013e2(2020)	BWS: 1 to 8 Grade: 1 to 5 BWS: 1 to 8
34	Textile, Garment & Accessories	Colour fastness to non-chlorine Bleaching in home Laundering	AATCC TM172 – 2010e (2016)e2	1 to 5 Grade
35	Textile, Garment & Accessories	Colour fastness of zipper to laundering	ASTM D2057 - 05(2022)	1 to 5 Grade


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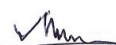
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36	Textile, Garment & Accessories	Durability of finish of zippers to laundering	ASTM D 2051 -14(2022)	1 to 5 Grade
37	Textile, Garment, Leather, Footwear & Accessories	Colour fastness to Dye transfer in storage/ Sublimation in storage/ Assessment of migration of textile colors into polyvinyl chloride coating	AATCC TM163 – 2013(2020)e3 JIS L 0854 – 2013(2017) DIN 54056: 2017 ISO 105 X10-1993 ISO 17701: 2016	1 to 5 Grade
38	Textile, Garment & Accessories	Colour fastness to Sweat and Saliva	DIN 53160 : 2023 LMBG 82.10:1985 GB/T 18886 :2019 ITX_GB/T 18886 :2019	1 to 5 Grade
39	Textile, Garment & Accessories	Color fastness to urine	In-House Test Method (ID: 134962)	1 to 5 Grade
40	Textile, Garment & Accessories	Dye Identification	In-House Test Method (ID: 205031)	N/A
41	Coated Textile, Garment & Fabrics	Blocking Resistance	ISO 5978: 2023	N/A
42	Textile, Garment, Toy & Accessories	Flammability of Apparels	CPSC 16 CFR 1610: 2025 ASTM F963-23 ASTM D 1230-25 GB/T 14644:2014 CGSB 4.2 No. 27.5-2023	
		Flammability of Textile Clothing & Night wear	BS 5438: 1989 Tests 2A & 2B, BS 5438: 1976 Tests 1, 2 & 3 BS 5722: 1991 Test 2A, BS 6249: 1982 Part 1, BS EN 1101: 2016 (80 x 80mm, 200 x 80mm), BS EN 1102: 1996, BS EN 1103: 2005, EN 14878:2007/ AC: 2009, BS EN 13772: 2011, BS EN ISO 6940: 2004, BS EN ISO 6941: 2003, BS EN ISO 15025: 2016 Tests A & B, AS/NZS 1249:2014	1 sec. – 3600 sec
		Assessment of the ignitability of bedding items	ISO 12952-1: 2010 ASTM F963-23	
		Flammability of Toys	EN 71-2:2020+A1 2025	


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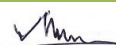
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		Flammability of Children's Sleepwear	16 CFR 1615 / 1616 ASTM D6413/D6413M-22	0 – 25.4 cm (0-10inch)
43	Textile, Garment & Accessories	Dimensional Change of Fabric induced by free Steam	BS 4323 – 1979, ISO 3005 – 1978	(0 – 40) %
44	Textile, Garments and Accessories	Shade variation (colour change & Staining)	Based on AATCC Evaluation Procedure 1 & 2- 2020, ISO 105 A01: 2010 & A02:1993/Cor 2:2005,	1 to 5 Grade
45	Textile, Garment & Accessories	Absorbency of Textile	AATCC 79 - 2010e2(2018) e3	1-60 +Seconds
46	Textile, Garment, Leather, Footwear & Fabrics	Wicking of Textile	Vertical Water Penetration GTP_Phy_CPS_25203A AATCC 197-2022 AATCC 198-2020 SATRA TM 305:1998	2 to 30 min
47	Accessories	Corrosion	GTP_Phy_CPS_25197A ISO 22775 :2004	1 to 5 Grade
48	Textile, Garments	Test Method for Colorfastness to Ozone in the Atmosphere under Low Humidities.	ISO 105 G03:1993 / AATCC TM109-2011(2016)e	1 to 5 Grade
49	Textile, Garments	Evaluation of Absorption and Quick-drying – Part 1: method for Combination Tests	GB/T 21655.1:2023	N/A
50	Textile, Garments	Horizontal Wicking of Textiles	AATCC TM198-011e3(2020) e	N/A
51	Textile, Garments	Colorfastness to water migration	ASTM D204-02 (Reapproved 2021)	1 to 5 Grade
52	Textile, Garments	Determination of material loss from fabrics during Washing	ISO 4484-1: 2023 AATCC TM 212-2021	actual
53	Textile, Garments	Vertical Wicking Rate of Textiles: to Specified Times	AATCC TM213-2022	2 to 10 min
54	Textile, Garments	Soil Release: Oily Stain Release	AATCC TM130-2018t	Qualitative (Grade 1 to 5)
55	Textile, Garments Fiber	Determining Hygroscopic and Water-Repellent Properties	GOST 3816-81	N/A


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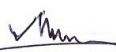
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56	Textiles its accessories, components, Wood/cork, chemicals/raw materials and allied materials	Poly Chlorinated Phenols		
		2,3,5- Tri chloro phenol		
		2,3,6- Tri chloro phenol		
		2,4,6- Tri chloro phenol		
		2,3,4- Tri chloro phenol		
		2,3,5-Trichlorophenol		
		2,3,6-Trichlorophenol		
		2,4,5- Tri chloro phenol	GTP_Chem_CPS_25119B.2016	
		2,3,4,5-Tetra chloro phenol	& GTP_Chem_CPS_69533C.2023	
		2,3,5,6-Tetra chloro phenol	(Based on BVL B 82.02-8:2001;	
		2,3,4,6-Tetra chloro phenol	EN17134-2:2023	
		Penta chloro phenol	DIN 50009-2021,	
		o-Phenyl phenol	CEN/TR 14823:2003	0.05 mg/kg-100 mg/kg
		3,4,5- Trichlorophenol	XP G08-015	
		Trichlorophenol	UNI 11057	
		Tetrachlorophenol	GB/T 18414.1-2006	
		2-Chlorophenol	GB/T 18414.2-2006	
		3-Chlorophenol	GB/T 24166-2009	
		4-Chlorophenol	ISO 17070 -2015, by GC-MS)	
		2,3-Dichlorophenol		
		2,4-Dichlorophenol		
		2,5-Dichlorophenol		
		2,6-Dichlorophenol		
		3,4-Dichlorophenol		
		3,5-Dichlorophenol		
57	Leather, its accessories, components and allied materials and footwear	Poly Chlorinated Phenols		
		2,3,5- Tri chloro phenol		
		2,3,6- Tri chloro phenol		
		2,4,6- Tri chloro phenol	GTP_Chem_CPS_25119B.2016	
		2,3,4- Tri chloro phenol	(Based on BVL B 82.02-8:2001	
		2,4,5- Tri chloro phenol	EN ISO 17070 -2015,	
		2,3,4,5-Tetra chloro phenol	EN ISO 13365-2:2020	
		2,3,5,6-Tetra chloro phenol	XP G08-015	
		2,3,4,6-Tetra chloro phenol	UNI 11057	
		Penta chloro phenol	by GC-MS/GC-ECD)	
		o-Phenyl phenol		
		3,4,5- Trichlorophenol		0.05 mg/kg-10.0 mg/kg


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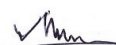
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		2-Chlorphenol		
		3-Chlorphenol		
		4-Chlorphenol		
		2,3-Dichlorphenol		
		2,4-Dichlorphenol		
		2,5-Dichlorphenol		
		2,6-Dichlorphenol		
		3,4-Dichlorphenol		
		3,5-Dichlorphenol		
		Determination of Aromatic Amines		
		O-Toluidine	GTP_Chem_CPS_25103B.2016	
		3,3 Dimethyl benzidine	&	
		2 Methoxy -5- methyl aniline (P-cresidine)	GTP_Chem_CPS_69428C.2023 (Based on	
		3,3' Dichloro benzidine	BS EN ISO 14362-1:2017	
		4 Chloro aniline	BS EN ISO 14362-3:2017	
		2,4,5-Trimethylaniline	BS EN ISO 14362-1:2012	
		1,4-Phenyldiamine	BS EN ISO 14362-3:2012	
		Aniline	ITX-BS EN 14362-3:2012 A	
		2,4-Diamino Anisole	DIN EN ISO 14362-1:2017	
		2,4-Diaminotoluene	DIN EN ISO 14362-3:2017	
		3,3 Dimethoxy Benzidine	EN 14362-1:2003	
		O-Anisidine	ITX-BS EN 14362-1:2003 C	
		4 Amino Biphenyl	EN 14362-2:2003	
		4-Chloro-O-Toluidine	ITX-BS EN 14362-2:2003 B	
		3,3'-dimethyl-4,4'- diaminodiphenylmethane	LFBG B 82.02-15: 2017	
		O-Aminoazotoluene	BVL B 82.02-2:2017	
		5-Nitro-Otoluidine	BVL B 82.02-3:2021	
		2-Naphthylamine	BVL B 82.02-4:2019	
		4,4 Diamino di phenylmethene (101-77-9)	GB/T 17592:2024	
		4,4'-methylene bis(o-chloroaniline)	GB/T 23344: 2009	
		2,4-Xylidine	KS K 0147:2015 And	
		4-4 Oxydianiline	KS K 0734-2012	
		4,4-Thiodianiline	SN/T 1045.1	
			SN/T 1045.2	
			SN/T 1045.3	
			ITX-BS EN 14362-3:2012 A	
			by GC-MS/UPLC-DAD)	
58	Textiles its accessories, components, chemicals/raw materials.			5 mg/kg-500 mg/kg


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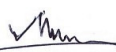
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		2,6-Xylidine		
		Benzidine		
		4-chloro-o-toluidinium chloride		
		2-Naphthylammoniumacetate		
		2,4-diaminoanisole sulphate		
		2,4,5-trimethylaniline hydrochloride		
		Determination of Aromatic Amines		
		O-Toluidine		
		3,3 Dimethyl benzidine		
		2 Methoxy -5- methyl aniline/p- Cresidine		
		3,3' Dichloro benzidine	GTP_Chem_CPS_25193A.2016	
		4 Chloroaniline	(Based on	
		2,4,5-Trimethylaniline	BS EN ISO 17234-1: 2024	
		1,4-Phenyldiamine	BS EN ISO 17234-2:2011	
		Aniline	EN 14362-1:2003	
		2,4-Diamino Anisole	EN 14362-2:2003	
		2,4-Diaminotoluene	BVL B 82.02-2:2017	
		3,3 Dimethoxy Benzidine	BVL B 82.02-3:2021	
		O-Anisidine	BVL B 82.02-4:2019	
		4 Amino Biphenyl	GB/T 17592:2024	
		4-Chloro-O-Toluidine	GB/T 19942:2019	
		4,4 Methylene bis (2 chloroaniline)	by GC-MS/UPLC-DAD	
		O-Aminoazotoluene	And	
		5-Nitro-Otoluidine	BS EN ISO 14362-1:2017	
		2-Naphthylamine	BS EN ISO 14362-3:2017	
		4,4 Diaminophenylmethene	ITX-BS EN 14362-1:2003 C	
		4-4-Methylenedi-o-toluidene	ITX-BS EN 14362-2:2003 B	
		2,4-Xylidine	ITX-BS EN 14362-3:2012 A	
		4-4 Oxydianiline	by GC-MS/UPLC-DAD)	
		4,4-Thiodianiline		
		2,6-Xylidine		
		4,4-Benzidine		
59	Leather its accessories, components and allied materials and footwear			5 mg/kg-500 mg/kg


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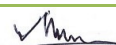
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		4-aminoazobenzene		
		4-chloro-o-toluidinium chloride		
		2-Naphthylammoniumacetate		
		2,4-diaminoanisole sulphate		
		2,4,5-trimethylaniline hydrochloride		
		Determination of Disperse Dyes		
		Disperse Yellow-23		
		Disperse Yellow-9		
		Disperse Yellow-1		
		Disperse Brown-1		
		Direct Brown-95		
		Disperse Blue 124		
		Disperse Yellow 49		
		Disperse Blue 102		
		Disperse Blue 7		
		Disperse Red 17		
		Disperse Blue 106		
		Disperse Orange 1		
		Basic Violet 14		
60	Textiles & Leather, its accessories, components, chemicals/raw materials and footwear.	Disperse Blue 26	GTP_Chem_CPS_25167B.2016	5 mg/kg-500mg/kg
		Disperse Blue 3	&	
		Disperse Yellow 39	GTP_Chem_CPS_69597C.2023	
		Basic Red-9	(Based on	
		Disperse Blue-35	DIN 54231:2022	
		Disperse Yellow-3	BVL B 82.02-10:2023	
		Disperse Red-11	ISO 16373-2:2014	
		Disperse Blue-1	ISO 16373-3:2014	
		Disperse Orange-3	KS K 0736:2014	
		Disperse Orange-11	GB/T 20382:2006	
		Disperse Orange 37/76/59	GB/T 20383:2006	
		Disperse Red-1	GB/T 30398:2013	
		Disperse Orange 149		
		Solvent Yellow 1		
		Solvent Yellow 2		
		Solvent Yellow 3		
		Sudan 1 (Solvent Yellow 14)		


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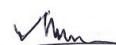
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		Solvent Blue 4		
		Acid Violet 49		
		Quinoline		
		Carcinogenic Dyestuff:		
		Acid Red 26		
		Basic Red 9		
		Disperse Black 38		
		Basic Blue 6		
		Basic Blue 26		
		Direct Blue 6		
		Direct Black 38		
		Direct Red 28		
		Basic Violet 1		
		Basic Violet 3		
		Basic Violet 14		
		Disperse Orange 11		
		Disperse Blue 1		
		Disperse Yellow 3		
		Disperse Yellow 56		
		Disperse Yellow 7		
		Sudan 1(Solvent Yellow 14)		
		Basic green 4 (Malachite green oxalate cas no- 2437-29-8) & (Malachite green chloride) cas no- 10309-95-2)		
		Navy Blue		
		C.I. Direct Blue 218		
		C.I. Pigment Red 104		
		C.I. Pigment Yellow 34		
		C.I. Direct Blue 15		
		C.I. Acid Red 114		
61	Textile, Leather, Accessories, Plastic and polymer Components, chemicals/raw materials.	Determination of Phthalate Esters		
		Di(ethylhexyl) phthalate (DEHP)		
		Dibutyl phthalate (DBP)		
		Butyl benzyl phthalate (BBP)		
		Di-n-octyl phthalate (DNOP)		


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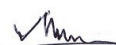
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		Di-iso-decyl phthalate (DIDP)		
		Di-isononyl phthalate (DINP)		
		Di-n-hexyl phthalate (DnHP)		
		Bis(2-methoxyethyl) phthalate (DMEP)		
		Di-isobutyl phthalate (DIBP)		
		1,2-Benzenedicarboxylic acid, di-C7-11-branched and linearalkyl esters (DHNUP)	GTP_Chem_CPS_25175B.2016 & GTP_Chem_CPS_69556C.2023 (Based on CPSC-CH-C1001-09.4:2018	50 mg/kg-10000 mg/kg (0.005%-1.0%)
		1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	ISO 14389: 2022,	
		Di-hexylphthalate, branched and linear (DHxP)	GB/T 20388:2016.	
		Di-cyclohexyl phthalate (DCHP)	GB/T 22048:2015.	
		Di-iso-hexyl phthalate (DIHxP)	ISO 16181-1:2021	
		Dinonyl phthalate (DNP)	BS EN 14372: 2004	
		Diethyl Phthalate (DEP)	GB/T 24168-2009	
		Dimethyl phthalate (DMP)	ASTM F963-23	
		Di-n-propyl phthalate (DPRP)	SOR/2016-188	
		Di-iso-octyl phthalate (DIOP)	EN 62321-8:2017)	
		1,2-Benzenedicarboxylic acid, di-C6-10 alkyl esters		
		1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich		
		1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich		
		1,2-Benzendicarboxylic acid, mixed decyl and hexyl and octyl diesters		
		Diisopentylphthalate		
		Di-n-pentyl phthalate (DPP)		
		N-Pentyl iso – Pentyl Phthalate(npipp)		


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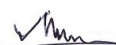
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		1,2-benzenedicarboxylic acid dipentyl ester, branched and linear		
		Diheptylphthalate (DHP)		
		Di-(2-propylheptyl) phthalates (DHPH)		
		Bis(2-ethylhexyl) adipate (DEHA)		
		Bis(2-ethylhexyl) ester (DEHT)		
		1,2-Benzenedicarboxylic acid, di- 2- propenyl ester (DAP)		
		Determination of Chlorinated organic carriers		
		Monochlorobenzene		
		dichlorobenzenes		
		1,2-dichlorobenzene		
		1,3-dichlorobenzene		
		1,4-dichlorobenzene		
		trichlorobenzenes		
		1,2,3-trichlorobenzene		
		1,2,4-trichlorobenzene		
		1,3,5-trichlorobenzene		
		Tetrachlorobenzene		
		1,2,3,4-tetrachlorobenzene		
		1,2,3,5-tetrachlorobenzene		
		1,2,4,5-tetrachlorobenzene		
		1,2,3,4(or 1,2,4,5)- tetrachlorobenzene		
		Pentachlorobenzene		
		Hexachlorobenzene		
		2-chlorotoluene		
		3-chlorotoluene		
		4-chlorotoluene		
		2,3-dichlorotoluene		
		2,4-dichlorotoluene		
62	Textile and Leather, its accessories, components, chemicals/raw materials and allied materials and footwear		GTP_Chem_CPS_25105B.2016 & GTP_Chem_CPS_69555C.2023 (Based on EN 17137: 2024, ITX-COC-TXT-2022 ITX-COC-RM-2022 DIN EN 17137:2019 GB/T 20384-2006	0.10 mg/kg- 100mg/kg


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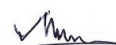
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		2,5-dichlorotoluene		
		2,6-dichlorotoluene		
		3,4-dichlorotoluene		
		3,5-dichlorotoluene		
		2,3,6-trichlorotoluene		
		3,4,5-trichlorotoluene		
		2,3,5-trichlorotoluene		
		2,3,4-trichlorotoluene		
		2,4,6-trichlorotoluene		
		2,4,5-trichlorotoluene		
		Benzotrichloride		
		alfa,2,4-trichlorotoluene		
		alfa,2,6-trichlorotoluene		
		alfa,3,4-trichlorotoluene		
		alfa,alfa,2,6-tetrachlorotoluene		
		alfa, alfa, alfa, 2-tetrachlorotoluene		
		alfa, alfa, alfa, 4-tetrachlorotoluene		
		2,3,4,5-Tetrachlorotoluene		
		2,3,4,6-Tetrachlorotoluene		
		2,3,5,6-Tetrachlorotoluene		
		α-chlorotoluene; benzyl chloride		
		2,3,4,5,6-pentachlorotoluene		
		a,a-Dichlorotoluene		
		a,a,4-Trichlorotoluene		
		Chlorobenzene		
		Determination of Organotin compounds		
		Dibutyltin (DBT)	GTP_Chem_CPS_25125B.2016	
		Dimethyltin (DMT)	GTP_Chem_CPS_69589C.2023	
		Diocetyl tin (DOT)	(Based on ISO16179:2025	
		Diphenyltin (DPhT)	And	
		Dipropyltin (DPT)	ISO 17353-2004	
		Monomethyltin (MMT)	DIN EN ISO 17353:2005-11	
		Monobutyltin (MBT)	ISO 22744-1:2020	
		Monooctyltin (MOT)	ISO 22744-2:2020	
			By GC-MS)	
63	Textiles & Leather its accessories, components, chemicals/raw materials.			0.025mg/kg-25mg/kg


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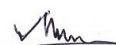
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		Monophenyltin (MPHT)		
		Tetrabutyltin (TeBT)		
		Tetraethyltin (TeET)		
		Tributyltin (TBT)		
		Tricyclohexyltin (TCyHT)		
		Trimethyltin (TMT)		
		Trioctyltin (TOT)		
		Triphenyltin (TPhT)		
		Tripropyltin (TPT)		
		Dibutyltin dichloride (DBTC)		
		Bis (tributyltin) oxide(TBTO)		
		Tetraoctyltin compounds (TeOT)		
		Chlorotriphenyltin		
64	Textiles & Leather its accessories, components, chemicals/raw materials	Determination of THIOUREA	GTP_Chem_CPS_116527B.2023; Solvent extraction, LC MS/MS, LC-DAD MS	100-10000 mg/kg
		Determination of AEEA [2-(2-aminoethylamino) ethanol]	GTP_Chem_CPS_116526B.2023; Solvent extraction, LC MS/MS or GC-MS	10-1000 mg/kg
		Determination of Per- and polyfluoroalkyl substances (PFAS)		
		PFHxS and its salts		
		Perfluorohexane Sulfonic acid (PFHxS)	GTP_Chem_CPS_25130B.2016 & GTP_Chem_CPS_70074C.2023	
		Perfluorohexane Sulfonic acid, potassium salt (PFHxS-K)	CEN/TS 15968:2010, ITX-PFAS-TXT-2020C	
		Perfluorohexane Sulfonic acid, lithium salt (PFHxS-Li)	ISO 25101: 2009	
		Perfluorohexane Sulfonic acid, ammonium salt (PFHxS-NH4)	ISO 23702-1:2023 ISO 23702-2:2023	
		Perfluorohexane Sulfonic acid, sodium salt (PFHxS-Na)	DIN 38407-42 GB/T 29493.2-2021	
		PFHxS related substances	DIN EN 17681-1:2025 DIN EN 17681-2:2022 EN 17681-1:2025)	
		N-Methylperfluoro-1-hexanesulfonamide (N-Me-FHxSA)		
		Perfluorohexane sulfonamide (PFHxSA)		
65	Textiles & Leather, its accessories, components, chemicals/raw materials, and footwear.			0.01mg/kg-100 mg/kg


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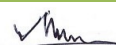
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		PFOA and its salts		
		Perfluorooctanoic acid (PFOA)		
		Sodium perfluorooctanoate (PFOA-Na)		
		Potassium perfluorooctanoate (PFOA-K)		
		Silver perfluorooctanoate (PFOA-Ag)		
		Perfluorooctanoyl fluoride (PFOA-F)		
		Ammonium pentadecafluorooctanoate (APFO)		
		PFOA related substances		
		Methyl perfluorooctanoate (Me-PFOA)		
		Ethyl perfluorooctanoate (Et-PFOA)		
		PFOS and related substances		
		Perfluorooctanesulfonic acid (PFOS)		
		Perfluorooctanesulfonic acid, potassium salt (PFOS-K)		
		Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)		
		Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH ₄)		
		Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH) ₂)		
		Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)		
		Didecylidimethyl ammonium perfluorooctane sulfonate (PFOS-N(C ₁₀ H ₂₁) ₂ (CH ₃) ₂)		
		N-Ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)		
		N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)		
		2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)		
		2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)		


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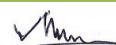
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		Perfluoro-1-octanesulfonyl fluoride (POSF)		
		Perfluorooctane sulfonamide (PFOSA)		
		PFCA C9-C14 and its salts		
		Perfluorononanoic Acid (PFNA, C9-PFCA)		
		Perfluorodecanoic Acid (PFDA, C10-PFCA)		
		Perfluoroundecanoic Acid (PFUnA, C11-PFCA)		
		Perfluorododecanoic Acid (PFDoA, C12-PFCA)		
		Perfluorotridecanoic Acid (PFTDA, C13-PFCA)		
		Perfluorotetradecanoic Acid (PFTeDA, C14-PFCA)		
		Perfluoro-3-7-dimethyloctanecarboxylate (PF-3,7-DMOA)		
		PFCA C9-C14 related substances		
		1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)		
		Perfluorocylethanol 8:2 (8:2 FTOH)		
		1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)		
		1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)		
		2H,2H-Perfluorodecanoic acid (H2PFDA)		
		1H,1H,2H,2H-Perfluorododecyl acrylate (10:2 FTA)		
		1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA)		
		1H,1H,2H,2H-Perfluorododecanol (10:2 FTOH)		
		2H,2H,3H,3H-Perfluoroundecanoic acid (H4PFUnA)		
		Perfluorocylethanol 8:2 (8:2 FTOH)		
		1H,1H,2H,2H-Perfluorododecyl		


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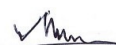
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		methacrylate (10:2 FTMA) 1H,1H,2H,2H-Perfluorododecanol (10:2 FTOH) 2H,2H,3H,3H- Perfluoroundecanoic acid (H4PFUnA) Perfluorocylethanol 8:2 (8:2 FTOH) 1H,1H,2H,2H-perfluorotetradecan- 1-ol (12:2 FTOH) 1H,1H,2H,2H- Perfluorododecanesulphonic acid (10:2 FTS) 1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI) 1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI) Other PFAS Perfluorobutanesulfonic acid (PFBS) Perfluorodecane sulfonic acid (PFDS) Perfluorobutanoic acid (PFBA) 2-(Perfluorohexyl)-ethanol (6:2 FTOH) 2-(Perfluorobutyl)-ethanol (4:2 FTOH) Perfluorohexanoic Acid (PFHxA, C6-PFCA)		
66	Textiles & Leather, its accessories, components, Chemical and allied materials and footwear	Determination of Dimethyl Fumarate (DMFu) 624-49-7	GTP_Chem_CPS_25129B.2016 & GTP_Chem_CPS_242303A.2023 ISO 16186: 2021 EN 17130:2019	0.05 mg/kg-50 mg/kg
67	Textiles & Leather its accessories, components, Chemical and allied materials and footwear	Determination of Solvents & Residuals Dimethyl Formamide (DMFa) , Formamide, Dimethylacetamide (DMAC), N- Methyl-2-pyrrolidone (NMP)	GTP_Chem_CPS_25126B.2016 & GTP_Chem_CPS_69599C.2023 ISO 16189: 2021 DIN EN 17131: 2019)	5 mg/kg – 1000 mg/kg


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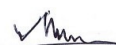
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
68	Textiles, Plastics and other polymer & Leather its accessories, components, chemicals/raw materials and footwear	Determination of short Chain and medium chain Chlorinated paraffins (SCCP/MCCP)	GTP_Chem_CPS_25178B.2016 & GTP_Chem_CPS_70068C.2023 ISO 18219-2: 2021; ISO 18219-1:2021 ISO 22818:2021 ISO 12010:2019)	10mg/kg- 10000mg/kg
69	Textiles, Plastics and other polymer & Leather its accessories, components, chemicals/raw materials and footwear	Determination of Benzotriazoles (UV absorbers) 2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320), 2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl) phenol (UV-327), 2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328), 2-(2H-benzotriazol-2-yl)-4-(tertbutyl)- 6-(sec- butyl) phenol (UV-350)	GTP_Chem_CPS_116524A.2022. GTP_Chem_CPS_116524B.2023 ISO 24040:2022	10 mg/kg- 10000 mg/kg
70	Textiles, Plastics and other polymer & its accessories, components, chemicals/raw materials, leather, footwear and footwear components,	Determination of Polyaromatic Hydrocarbons (PAH) Acenaphthene Acenaphthylene Anthracene Benzo[a]anthracene Benzo[a]pyrene (BaP) Benzo[b]fluoranthene Benzo[e]pyrene Benzo[ghi]perylene Benzo[j]fluoranthene Benzo[k]fluoranthene Chrysene Cyclopenta[c,d]pyrene Dibenzo[a,h]anthracene Dibenzo[a,e]pyrene Dibenzo[a,h]pyrene Dibenzo[a,i]pyrene Dibenzo[a,l]pyrene	GTP_Chem_CPS_25106B.2016 & GTP_Chem_CPS_69593C.2023 (Based on AfPS GS 2019:01 US EPA 610 And US EPA 3550 GB/T 29493.4-2013 DIN EN 17132:2019 ISO 16190:2021)	Chemical:10mg/kg; All Other Materials:0.10 mg/kg


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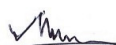
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		Fluoranthene		
		Fluorene		
		Indeno[1,2,3-cd]pyrene		
		1-Methylpyrene		
		Naphthalene		
		Phenanthrene		
		Pyrene		
		Cyclopenta[c,d]pyrene		
		Dibenzo[a,e]pyrene		
		1-Methylpyrene		
71	Textiles & Leather, its accessories, components, chemicals/raw materials and allied materials and footwear	Determination of Alkyl Phenols and its Ethoxylates Octylphenoethoxylates Nonylphenoethoxylates Nonylphenol (NP) Octylphenol (OP) Heptylphenol Pentylphenol	GTP_Chem_CPS_25101B.2016 & GTP_Chem_CPS_69556C.2023 (Based on Affirm method, ISO 18254-1:2016 ISO 18218-1: 2023 ISO 18218-2:2019 EN ISO 21084:2019 GB/T 23972-2009, GB/T 23322-2018 ASTM D7065-17 ISO 18857-2:2009)	3 mg/kg-1000 mg/kg
72	Textiles, Plastics & Leather, its accessories, components, Chemical and allied materials and footwear	Identification of Poly vinyl Chloride (PVC), Silicone, styrene, polystyrene, polypropylene	GTP_Chem_CPS_25128B.2016	Qualitative


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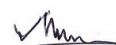
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
73	Textiles & Leather, its accessories, components, Chemical and allied materials and footwear	2-Mercapto Benzo thiozole (2-MBT)	GTP_Chem_CPS_25100B.2016 (Based on EN 14350-2:2004 & GB 28482-2012)	5 mg/kg-500mg/kg
74	Textiles & Leather, its accessories, components, Chemical and allied materials and footwear	Primary Aromatic Amines	PPP_5.4_25017_SOP_CPS: 2011 (Based on EN 71-9:2005+A1: 2007, EN 71 – 10: 2005, EN 71-11: 2005, EN 14362-1: 2017, ISO 17234-1:2024 by GC MS)	0.10mg/kg-100mg/kg
75	Textiles its accessories, components, Chemical and allied materials	Determination of Extractable Heavy Metals Antimony (Sb) Arsenic (As) Lead (Pb) Cadmium (Cd) Copper (Cu) Cobalt (Co) Chromium (Cr) Chromium VI (Cr-VI) Nickel (Ni) Mercury (Hg) Selenium (Se) Barium (Ba) Tin (Sn)	GTP_Chem_CPS_25182C.2022 GTP_Chem_CPS_116528A.2021 (Based on BS EN 16711- 2:2015; ISO 105 E04-2013; ISO 11885:2007; DIN EN 16711-2:2016 ASTM F2923:2020 ASTM F963-23, SOR/2011-17 DIN 54233-2: 2014 DIN 54233-4: 2014 ISO 5398-1: 2007 EN ISO 17075-1:2017 US EPA 3050, 3051,3052 by ICP-OES/ICP-MS)	0.05 mg/kg-25mg/kg For Hg-0.02mg/kg-2.0 mg/kg
76	Leather, its accessories, components and allied materials and footwear	Determination of Extractable Heavy Metals including Soluble Mineral Tanning Agents Al, Zr, Ti, Cr and Total Heavy Metals Antimony (Sb) Arsenic (As)	GTP_Chem_CPS_25173B.2016 (Based on ISO 17072-1:2019, DIN EN 16711-2:2016 ASTM F2923:2020 ASTM F963-23, SOR/2011-17 EN ISO 17075-1:2017 EN ISO 17075-2:2017	0.05 mg/kg-25mg/kg For Hg-0.02mg/kg-2.0 mg/kg


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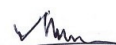
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		Lead (Pb)	DIN 54233-2: 2014	
		Barium (Ba)	DIN 54233-4: 2014	
		Cadmium (Cd)	SASO ISO 5398	
		Copper (Cu)	ISO 11885:2007,	
		Cobalt (Co)	ISO 17294-2:2016;	
		Chromium (Cr)	and DIN EN 14602:2012)	
		Selenium (Se)		
		Nickel (Ni)		
		Mercury (Hg)		
		Aluminum (Al)		
		Zirconium (Zr)		
		Titanium (Ti)		
		Selenium (Se)		
		Determination of Soluble Heavy Metals		
		Selenium (Se)		0.10 mg/kg-80000 mg/kg
		Zinc (Zn)		
		Barium (Ba)		
		Tin (Sn)		
		Manganese, (Mn)		
		Strontium, (Sr)		
		Boron (B)	EN 71-3:2019 +A2:2024	
		Aluminum (Al)	ASTM F963-23	
77	Toys, Children products and Textile and accessories	Lead, Pb	16 CFR 1251 /	
		Antimony, Sb	16 CFR 1252 /	
		Arsenic, As	16 CFR 1253	
		Cadmium, Cd	ISO 8124-3:2020/Amd 1:2023	
		Cobalt, Co		
		Chromium, Cr(III)		
		Chromium, Cr(VI)		
		Nickel, Ni		
		Copper, Cu		
		Organic Tin		
		Mercury Hg		


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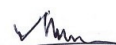
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78	Textiles its accessories, components, chemicals/raw materials.	Total Cadmium (Cd) Content	GTP_Chem_CPS_25182B.2016 (Based on CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3, CPSC-CH-E1003-09.1, BS EN 1122: 2001, ASTM F963-23 EN 16711-1: 2015, DIN EN 16711-1:2016, SASO 2779, SOR/2011-17 CEN/TS 14495: 2003, EPA-3052, GB/T 30157: 2013, GB/T 17593.2:2007 Analysis by ICP – OES/ICP-MS)	5 mg/kg-500 mg/kg
79	Paint and Coated articles, Children metal products, Metal jewellery and non-metal children products)	Determination of Lead & Cadmium content	GTP_Chem_CPS_25132B.2016; GTP_Chem_CPS_25133B.2016; GTP_Chem_CPS_25134B.2016; (based on CPSC CH E1001-08.3, CPSC CH E1002-08.3, CPSC CH E1003-09.1 SASO 2779 16CFR-1303; BS EN 16711-1:2015; UNE/CR 13695-1; UNE-CEN/TR 13695-2; , ASTM E1613-04, ASTM E1613-12; ASTM E1645-01, EPA-3052, ASTM F963-23, GB/T 30157: 2013, GB/T 17593.2:2007, SOR/2011-17 ASTM F2923:2020) by ICP – OES/ICP-MS)	Pb:3-1000 mg/kg Cd:3-1000 mg/kg
80	Metals – Coated, Non-coated metals and accessories.	Determination of Nickel Qualitative test	PD CEN/TR 12471:2022	N/A
81	Metals	Determination of Nickel Release	Based on EN 1811:2023 BS EN 12472-2020) by ICP-OES/ ICP-MS)	0.1ug/cm2/week-
		Nickel Content (Ni)	EN 1810 – 1998 Analysis by ICP - OES/ICP-MS	5 mg/kg-1000mg/kg
82	Glass, Ceramic, Enamelware's, Cookware, Paper	Leachable/Extractable Heavy Metals	GTP_Chem_CPS_25530B.2016 (Based on ISO 4531-1: 1998.	0.01 mg/L-25mg/L
		Lead (Pb)	ISO 7086-1:2019;	
		Cadmium (Cd)	ISO 6486-1:2019; DIN EN 1388-1 & 2: 1995;	


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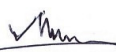
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		Aluminium (Al)	ISO 3696:1987	
		Cobalt (Co)	EN 12497: 2005; EN 12498:2018;	
		Mercury (Hg)	DIN EN 645:1994; Analysis By	
		Arsenic (As)	ICP-OES/MS)	
		Zinc		
		Antimony		
		Barium		
		Manganese (Mn)		
		Chromium VI		
83	TPCH, RoHS and Total Heavy Metals (Packaging Materials, Restriction of hazardous Substances as per 2002/95/EC- Electro technical and Electrotechnical materials, waste and Related materials, Chemicals/ Auxiliaries, Paint, Coating, Textile, Leather, Plastic & Polymer, Paper, metallic accessories, Toys, Chemicals/raw materials and other similar surface coatings)	Heavy Metals Lead (Pb), Cadmium (Cd), Mercury (Hg), Chromium Cr (III) & (VI), Antimony (Sb), Cobalt (Co), Lithium (Li), Manganese (Mn), Zinc (Zn), Vanadium(V) Zirconium (Zr), Hafnium (Hf), Platinum (Pt), Boron(B), Titanium (Ti), Iron (Fe), Nickel (Ni), Arsenic (As), Copper (Cu), Barium (Ba), Selenium (Se), Silver (Sb), Tin (Sn)	GTP_Chem_CPS_25172B.2016, GTP_Chem_CPS_25182B.2016 GTP_Chem_CPS_116528B.2023 (based on IEC 62321, EPA 3052, EPA 3060A, CPSC CH E1001- 08.3, CPCS-CH-1002-08, CPCS- CH-1003-09, BS EN 16711- 1:2015, DIN EN 16711-1:2016; SASO 2779 ASTM F963-23 ISO 17072-2:2022; by XRF, ICP- OES/ICP-MS and UV VIS)	3 mg/kg- 1500mg/kg
84	Textiles & Leather its accessories , components,	Flame Retardants Monobromobiphenyles (MonoBB) Dibromobiphenyles (DiBB)	GTP_Chem_CPS_25166B.2016 GTP_Chem_CPS_70053C.2023 (Based on ISO 17881-1 & 2:2016	5-1000 mg/kg


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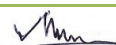
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
	chemicals/raw materials and footwear, Plastic & Other Polymeric material	Tribromobiphenyles (TriBB) Tetrabromobiphenyles (TetraBB) Pentabromobiphenyles (PentaBB) Hexabromobiphenyles (HexaBB) Heptabromobiphenyles (HeptaBB) Octabromobiphenyles (OctaBB) Nonabromobiphenyles (NonaBB) Decabromobiphenyles (DecaBB) Polybrominated biphenyles (PBBs) 2,2-bis(bromomethyl)-1,3- propanediol (BBMP) Bis-(2,3-dibromopropyl) phosphate (BIS) Monobromodiphenylethers (MonoBDEs) Dibromodiphenylethers (DiBDEs) Tribromodiphenylethers (TriBDEs) Tetrabromodiphenylethers (TetraBDEs) Nonabromodiphenylethers (PBDEs) Decabromodiphenylethers (decaBDEs) Heptabromodiphenylethers (heptaBDEs) Hexabromocyclododecane (HBCDD) and all main diast Hexabromodiphenylethers (hexaBDEs) Octabromodiphenylethers (octaBDEs) Pentabromodiphenylethers (pentaBDEs) Polybrominated diphenylethers (PBDEs) Tetraboron disodium heptaoxide, hydrate Tetrabromobisphenol A (TBBPA) Tetrabromodiphenylether (tetraBDE) Tris-(2,3-dibromopropyl)-	SASO ISO 17881-2 And IEC 62321, GB/T 24279:2009, GB/T 29493.1-2013 or Solvent extraction and analysis by GC-MS or LC-MS ASTM D6413-15 / D6413M-15)	


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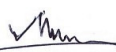
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		phosphate (TRIS)		
		Tris-(2-chloroethyl) phosphate (TCEP)		
		Tris-(1,3-dichloro-2-propyl) phosphate (TDCPP)		
		Tris-(1-aziridinyl)-phosphin oxide (TEPA)		
		Trixylylphosphate (TXP)		
		Tris (1-chloro-2-propyl) phosphate (TCPP)		
		Tris(1,3-dichlorisopropyl) phosphate (TDCPP)		
		Diboron trioxide		
		Disodium tetraborate, anhydrous		
		Disodium octaborate		
		Boric acid		
		Zinc borate salts		
		Triphenylphosphat (TPhP)		
		Tris(nonylphenyl) phosphite		
		2-Ethylhexyldiphenylphosphat		
		Tris(2-butoxyethyl)-phosphat		
		Tri-o-cresyl phosphate		
		Trimethyl phosphate		
		Trikresylphosphate		
		Gamma-hexabromocyclododecane (HBCDD/HBCD)		
		Hexabromocyclododecane (HBCDD/HBCD)		
		Alpha-hexabromocyclododecane (HBCDD/HBCD)		
		Beta-hexabromocyclododecane (HBCDD/HBCD)		
		Bis-(2,3-dibromopropyl)-phosphate (BDBPP)		
		Polybromobiphenyls (PBBs)		
		2-Ethylhexyl-2,3,4,5-tetrabromobenzoate (TBB)		
		Bis(2-ethylhexyl)-3,4,5,6-tetrabromophthalate (TBPH)		
85	Textiles & Leather, accessories,	Volatile Organic Compounds (VOCs) in Textile, Leather & Related Materials	GTP_Chem_CPS_25171B.2016, ISO 16189:2021 EN 13130-3:2004 Headspace	1-1000 mg / kg


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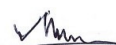
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
	components, chemicals/raw materials and footwear	Methylketone Ethylbenzene Xylene Cyclohexanone 2-Ethoxyethylacetate 1,2,3-Trichloropropane Acetophenone 2-Phenyl-2-propanol Bis(2-methoxyethyl) ether Styrene Benzene Toluene 1-Methyl-2-pyrrolidone (NMP) N, N-Dimethylacetamide (DMAc) N, N-Dimethylformamide (DMF) Formamide Hexachlorobutadiene 1-Bromopropane; n-propyl bromide 1,2-Dichloroethane 1,1,1,2- Tetrachloroethane 1,1,2,2- Tetrachloroethane Xylenes (meta-, ortho-, para-) Styrene Trichloroethylene	GCMS	
86	Textiles its accessories, components and allied materials	Determination of pH of aqueous Extract	ISO 3071-2020 AATCC TM81-2022 GB/T 7573: 2009 SASO ISO 3071:2014	pH 1-14
87	Leather its accessories, components and allied materials and footwear	Determination of pH of aqueous Extract	ISO 4045-2018	pH 1-14


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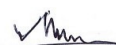
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88	Textiles its accessories, components, chemicals/raw materials.	Determination of Formaldehyde	Based on ISO 14184- Part1 & 2 - 2011, ISO 14184-3:2023 AATCC 112 – 2020 LFGB 82.02-1 – 1985 JIS L 1041 – 2011 GB/T 2912.1: 2009 (Free), GB/T 2912.2: 2009 (Releasable) SASO 2146/2003 SASO 2143/2003 ITX-GB/T 2912.1/2012C	2 mg/kg-600mg/kg
89	Leather, its accessories, components and allied materials and footwear	Determination of Formaldehyde	PPP_5.4_25040_SOP_CPS (Based on BS EN ISO 17226-1:2021. ISO 17226-2:2018, DIN EN ISO 17226-2:2019 LFGB 82.02-1 – 1985 GB/T 19941; ITX-GB/T 19941.2/2005D, ITX-GB/T 19941.1/2005A by UPLC);	2 mg/kg-600mg/kg
90	Leather, its accessories, components and allied materials and footwear	Determination of Hexavalent Chromium	GTP_Chem_CPS_25151C.2018 (Based on ISO 17075-1:2017. For Ageing condition: ISO 10195 and Method for thermal pre- ageing of leather before determination of Chromium(vi), for Inditex testing services providers); ISO 4044:2017,GB/T 17593- 3:2006;BVL B 82.02-11:2008) GTP_Chem_CPS_25150C.2018 (EN ISO 17075-2:2017; For Ageing condition: ISO 10195 and Method for thermal pre- ageing of leather before determination of Chromium(vi), for Inditex testing services providers); ISO 4044:2017, GB/T 17593- 3:2006;BVL B 82.02-11:2008)	2 mg/kg
91	Leather, its accessories, components and allied materials,	Global migration	LAB_P_SOP_178: 2012 (Based on EN 1186-1:2002, EC - 10/2011)	3 mg/kg- 200 mg/kg


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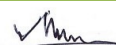
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
	footwear and FCM Products			
		Determination of Other Phenols excluding Chlorophenols		
92	Textiles, Leathers, Prints, Coated materials, Chemical and plastics, their related materials and Chemicals.	Nonylphenol (NP) 104-40-5 / 25154-52 Octylphenol (OP) 140-66-9 2,6-Dimethyl phenol (CAS No. 576-26-1) p-Phenyl phenol (CAS No. 92-69- 3) 2,4,6-TriBromo phenol (CAS No. 118-79-6) Phenol (CAS No. 108-95-2)	GTP_Chem_CPS_25102B.2016 GTP_Chem_CPS_69482C.2023 (Based on ISO 18254-1:2016 & ISO 18218-1: 2023, GB/T 23972- 2009), GB/T 23322-2018	NP and OP: 3 mg/kg-1000 mg/kg NPEO and OPEO: 10 mg/kg-1000 mg/kg
		Determination of Preserving Agents/ Anti-microbials and Biocides		
93	Leather, textiles, Chemical and related Materials	n-Octylisothiazolinon (OIT) 2- Thiocyanomethylthiobenzothia zol (TCMTB) p-Chlor-m-Kresol (CMK) Triclosan Permethrin Orthophenylphenol (o-PP)	GTP_Chem_CPS_25191B.2016; GTP_Chem_CPS_116523B.2023 (Based on ISO 13365-1: 2020 ISO 13365-2:2020)	5 mg/kg-5000 mg/kg
94	Textiles, Leathers, Prints, Coated materials, Chemical and plastics, their related materials.	Determination of Bisphenols (Bisphenol-A (BPA); Bisphenol S (BPS); Bisphenol B (BPB); Bisphenol F (BPF); Bisphenol AF (BPAF); Bisphenol Z (BPZ); Bisphenol AP (BPAP))	In-House Test Method based on ISO 21135:2024, (Solvent extraction; analysis with LC/MS / LC-MSMS); GTP_Chem_CPS_116525B.2 023 ISO 11936:2023	0.1 – 100 mg/kg
95	Textiles, Leathers, Prints, Coated materials, Chemical and plastics, their related materials, and Chemicals.	Determination of Siloxanes (octamethylcyclotetrasiloxane (D4); Decamethylcyclopentasiloxane(D 5); Dodecamethylcyclohexasiloxane(D6))	In-House Test Method (Solvent extraction; analysis with GC/MS / GC-MSMS); GTP_Chem_CPS_242307A.2023	0.1-100 mg/kg


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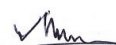
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96	Textiles, Leathers, Prints, Coated materials, Chemical and plastics, their related materials, and Chemicals.	Determination of ADCA (Diazene-1,2-dicarboxamide [C,C'-azodi(formamide)])	In-House Test Method (Solvent extraction; analysis with LC/MS, LC/DAD;	10-10000 mg/kg
97	Textiles, Leathers, Prints, Coated materials, Chemical and plastics, their related materials, and Chemicals.	Determination of Polychlorinated biphenyl (CAS:1336-36-3 53469-21-9 and Various)	In-House Test Method (Solvent extraction; analysis with GC/MS / GC-MSMS)	0.5-100 mg/kg
	Rubber , Plastics , Solvents , Tanned leather (if amines are used to accelerate liming process) ,Textiles, Detergents	Determination of Nitrosamines	EN ISO 19577:2019, DIN EN 12868: 2017, DIN EN 71-12	0.1-50 mg/kg
98	Food contact Materials (Plastics and Polymers and allied materials)	Overall Migration	EN 1186 (Part 1 & 15): 2002 IS 9845: 1998 (RA 2015), Based on Regulation (EU) No 10/2011 & its amendments & Resolution AP (89)1	2-100mg/dm2 6-600mg/kg
99	Food contact Materials (Plastics, Polymers and allied materials)	Specific migration of metals		
		Barium		0.03-1.0 mg/kg
		Cobalt	GTP_Chem_CPS_25149D.2021	0.03-1.0 mg/kg
		Copper	(Based on Regulation (EU) No 10/2011, Commission Regulation (EU) 2016/1416, Commission Regulation (EU) 2017/752,	0.03-1.0 mg/kg
		Iron	Commission Regulation (EU) 2020/1245	0.03-1.0 mg/kg
		Lithium	& Resolution AP (89)1	0.03-1.0 mg/kg
		Manganese		0.03-1.0 mg/kg
		Zinc		0.03-1.0 mg/kg
		Aluminium		0.03-1.0 mg/kg
		Nickel	EN 13130-1: 2004)	0.01-1.0 mg/kg
		Antimony		0.03-1.0 mg/kg
		Arsenic		0.01-1.0 mg/kg


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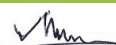
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		Cadmium		0.02 -1.0 mg/kg
		Chromium		0.01-1.0 mg/kg
		Lead		0.01-1.0 mg/kg
		Magnesium		0.01-1.0 mg/kg
		Mercury		0.01-1.0 mg/kg
		Europium		0.03-1.0 mg/kg
		Gadolinium		0.03-1.0 mg/kg
		Lanthanum		0.03-1.0 mg/kg
		Terbium		0.03-1.0 mg/kg
		Tin		0.03-1.0 mg/kg
		Calcium		0.03-1.0 mg/kg
		Sodium		0.03-1.0 mg/kg
		Potassium		0.03-1.0 mg/kg
100	Food Contact Material – Plastics and Polymer and allied materials (Polyamide and melamine)	Specific migration of Primary Aromatic Amines	LAB_P(BD)_SOP_08 (Germany- German Food & Feed Acts LFGB Section 30 and BfR Recommendation and Regulation (EU) No 10/2011 and its amendments 284/2011, Regulation (EU) 2020_1245, BfR Recommendation Part LI, XXI, Resolution AP RESAP 2004(4) for Rubber product, BVL L 00.00- 6:1995); / In-house test method)	0.002-10 mg/kg
101	Food Contact Material – Plastics and Polymer and allied materials (Polyamide and melamine)	Specific migration of Formaldehyde	GTP_Chem_CPS_25144B.2016 Based on Regulation (EU) No 10/2011 & its amendments & Resolution AP (89)1 (EN 13130 (Part 1): 2004, ISO 14184 (Part 1): 2011, EN 13130 (Part 23): 2004)	2.5 to 30 mg/kg
102	Packaging Materials (Paper, Paper Board and Pulp)	Specific migration of Formaldehyde	GTP_Chem_CPS_25144A.2016 Based on Regulation (EU) No 10/2011 & its amendments & Resolution AP (89)1 (EN 645: 1994, EN 647: 1994, EN 1541: 2001)	0.1-10 mg/dm ²
103	Food contact material – (Plastic- Polycarbonate)	Specific migration of Bisphenol A and Phenol	GTP_Chem_CPS_25142B.2016 and GTP_Chem_CPS_25127B.2019 (Based on EN 1186-1:2002, 1186- 3:2002, 1186-9:2002, BfR plastic	0.05-10 mg/kg


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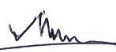
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			recommendation part LI, DIN 53704:1988, DIN EN 13130-1: 2004 DD CEN/TS 13130-13:2005, Regulation (EU) No 10/2011 & its amendments)	
104	Food contact material Polymer, Plastics, Rubber, silicone rubber, and acrylic/methacrylic	Volatile Organic Matter /Volatile Organic Components/ Extractable Components	CHM_GCN_WT_01.57E-2013 / GTP_Chem_CPS_25508A.2016 Based on Regulation (EU) No 10/2011 & its amendments	2mg/dm ² -100 mg/dm ²
105	Food contact material Polymer –Plastics and Polymers and allied	Specific migration of Styrene	GTP_Chem_CPS_25124B.2018 (EN 13130 (Part 1): 2004) Based on Regulation (EU) No 10/2011 & its amendments	0.1- 100 mg/kg
106	Food contact material (All material other than Wood Paper)	Sensorial examination odour and taste	DIN 10955: 2004, SNV 195651: 1968, ISO 13302: 2003 Based on Regulation (EU) No 10/2011 & its amendments	Qualitative test Odour-<3 Taste <3
		Specific Migration of phthalates		
		Benzyl butyl phthalate (BBP)		
		Bis (2-ethylhexyl) phthalate (DEHP)		
		Dibutyl Phthalate (DBP)		
107	Food contact material Polymer –Plastics and Polymers and allied materials	Diisononyl phthalate (DINP) Diisodecyl phthalate (DIDP) adipic acid, bis(2-ethylhexyl) ester (DEHA) Bis(2-Ethylhexyl) Terephthalate Iso phthalic acid Diallyl phthalate	GTP_Chem_CPS_25146B.2016 (Based on Regulation (EU) No 10/2011 & its amendments, EN 13130 (Part 1): 2004)	0.1-10 mg/Kg foodstuff
108	Food contact Materials (Plastics and Polymers and allied materials)	Specific Migration of Acrylonitrile copolymers and resins in Food Contact Materials	GTP_Chem_CPS_25148B.2016 (Regulation (EU) No. 10/2011 & its amendments; US FDA 21 CFR 181.32; US FDA 21 CFR 180.22; DIN EN 13130-3:2004)	0.01 mg/kg-1 mg/kg


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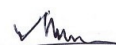
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109	Food contact Materials (Paper)	Determination of Optical Fluorescent Brighteners and Staining on Paper	GTP_Chem_CPS_25513A.2016 (DIN EN 648: 2006, ISO 186:2002)	Qualitative (Grade 1 to 5)
110	Food contact Materials (Plastics and Polymers and allied materials Leather	Specific migration of Melamine/ Total melamine	GTP_Chem_CPS_25147B.2016 based on DIN EN 13130-1: 2004; Based on Regulation (EU) No 10/2011 & its amendments Regulation EU No. 1282/2011 LAB_P_SOP_490 ISO/DIS 25712:2025	0.1 mg/kg-10 mg/kg
111	Food contact Materials (Plastics and Polymers and allied materials	Specific Migration of Nitrosamines	TUV-SUD In house method based on BfR and Based on Regulation (EU) No 10/2011 & its amendments	0.5mg/kg-50 mg/kg
112	Food contact Materials (Plastics and Polymers and allied materials	Specific migration of Terephthalic acid	TUV-SUD In house method based on Based on Regulation (EU) No. 10/2011 & its amendments	1 mg/kg-100 mg/kg
113	Food contact Materials (Plastics and Polymers and allied materials	Identification of asbestos	In house method qualitative analysis using Polarized Light Microscopy (PLM)	Qualitative
114	Food contact Materials (Plastics and Polymers and allied materials	Presence of Remaining Peroxides after Migration in Food Contact Articles/Peroxide Value	LAB_P(BD)_SOP_07 (BfR Recommendation, Bundesgesundheitsblatt)	Qualitative
115	Food contact Materials (Plastics and Polymers and allied materials)	Colorant Migration from food contact materials	GTP_Chem_CPS_25181B.2016 Based on Regulation (EU) No 10/2011 & its amendments & Resolution AP (89)1	Qualitative
116	Food contact Materials (Ceramic, Plastic and other applicable materials)	Dishwasher Cleanability / Dishwasher Safe Tests	LAB_P(H)_ITP_02 (Based on EN 12875-1:2005)	Qualitative


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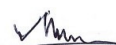
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117	Food contact Materials (Ceramic, Plastic)	Microwave Safe test	TUV-SUD In house method (Based on EN 15284:2007)	Qualitative
118	Food contact Materials (Ceramic, Plastic)	Freezer Resistance/Refrigerator Safe Cooling time	TUV-SUD In house method	Qualitative
119	Food contact Materials (Nylon Polyamides, Polyurethanes (PU) Thermoplastic polyurethanes (TPU))	Specific Migration of Caprolactam	GTP_Chem_CPS_25515A.2016 Based on Regulation (EU) No 10/2011 & its amendments	15.0 mg/kg - 1000mg/kg
120	Food contact Materials (Nylon Polyamides, Polyurethanes (PU) Thermoplastic polyurethanes (TPU))	Specific Migration of Hexamethylene	Based on Regulation (EU) No 10/2011 & its amendments with reference to EN 13130-21	2-100 mg/kg
121	Food contact Materials (Nylon Polyamides, Polyurethanes (PU) Thermoplastic polyurethanes (TPU))	Heat Capacity. Pouring Stability Heat loss Thermal Shock Stopper Lackage Seal Lackage Impack Insulation Performance Capacity Measurement Handle Strength Cleaning Seepage	With Reference to EN 12546-1: 2000/AC-2005 EN 12546-2 :2000	Qualitative
122	Food contact Materials , Textile, Plastic	Load capacity	Inhouse Method	Quantitative
123	Melamine	Lindane Content	In-House Test Method	1-10mg/kg


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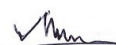
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124	Textile, Garments	Solar UV protective properties	EN 13758-1:2002, EN 13758-2:2003, AATCC TM 183:2020, AS/NZS 4399:2017, GB/T 18830-2009, ASTM D6603:2019	UPF 1 to 50000
125	Leather, coated leather, leather fibre	Glutaraldehyde	EN ISO 17226-1:2019	5 mg/kg-125 mg/kg
126	Textile, Paper, Leather, Chemicals	Glyoxal and other short-chain aldehydes (mono- and dialdehydes up to C6)	Extraction (acc. to ISO 14184-1), ISO 17226-1 (HPLC)	5 mg/kg-100 mg/kg
127	Textiles & Leather, its accessories, and footwear	Determination of metal content - Part 3: Determination of lead release by artificial saliva solution	EN 16711-3:2019, DIN EN 16711-3, 2019	0.5 – 1 µg/L
128	Textiles, Plastics & Leather, its accessories, components, Chemical and Allied materials and footwear	Butylhydroxytoluene (BHT)	ASTM D4275:2017	5 mg/kg-100 mg/kg
129	Textiles	Identification of polyurethane (PU)	GTP_Chem_CPS_25128B.2016	Qualitative

Field: Environmental Testing

01	Discharged Wastewater, Raw Wastewater, Incoming Water, STP water	Biochemical Oxygen Demand (BOD)	APHA 23rd Edition: 2017 (5210 B)	5.0- 15000.0 mg/l
02	Discharged Wastewater, Raw Wastewater, Incoming Water, STP water	Chemical Oxygen Demand (COD)	APHA 23rd Edition: 2017 (5220 D)	5 – 50000 mg/l
03	Discharged Wastewater, Raw Wastewater, Incoming Water, Drinking water, STP water	Electrical Conductivity	USEPA METHOD: 120.1-1982	1.0 – 35000.0 µs/cm


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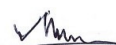
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04	Discharged Wastewater, Raw Wastewater, Incoming Water, Drinking water , STP water	Dissolved Oxygen (DO)	USEPA METHOD: 360.1-1971	1.0 – 15.00 mg/l
05	Discharged Wastewater, Raw Wastewater, Incoming Water, Drinking water , STP water	pH Value	LAB-P_SOP_377 (Based on ISO 10523-2008; USEPA 150.1; APHA 23 rd Ed- 2017)	1.00 - 14.00
06	Discharged Wastewater, Raw Wastewater, Incoming Water, Drinking water , STP water	Temperature	USEPA 170.1; APHA -2550 23 rd Ed-2017	1.0 °C to 100.00 °C
07	Discharged Wastewater, Raw Wastewater, Incoming Water, Drinking water , STP water	Total Dissolved Solids	APHA 23 rd Edition: 2017 (2540 C)	5.0 – 5000.0 mg/l
08	Discharged Wastewater, Raw Wastewater, Incoming Water, Drinking water , STP water	Total Suspended Solids	LAB-P_SOP_378 (Based on ISO11923-1997; USEPA 160.2; APHA 2540D 23 rd Ed-2017)	5.0 – 5000.0 mg/l
09	Discharged Wastewater, Raw Wastewater, Incoming Water, Drinking water , STP water	Colour [m-1] (436nm; 525; 620nm)	ISO 7887-B	2; 1; 1
10	Discharged Wastewater, Raw Wastewater, Incoming Water,	Ammoniacal Nitrogen/ Ammonium-N	USEPA 350.1, APHA 4500 NH ₃ -N	0.5 – 100.00 mg/l


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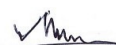
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	STP water			
11	Discharged Wastewater, Raw Wastewater, Incoming Water, STP water	Total-P	USEPA 365.4, APHA 4500P-J	0.05 – 10.00 mg/l
		Sulfide	APHA 4500-S2-D; ISO 10530:1992; GB/T 16489:1996	0.01-10 mg/L
12	Discharged Wastewater, Raw Wastewater, Incoming Water,STP water	Total-N	US EPA 351.2, APHA 4500P-J, APHA 4500N-C, ISO 5663:1984, ISO 29441:2010; HJ 636, GB/T 11891:1989	5.0- 150.0 mg/l
13	Discharged Wastewater, Raw Wastewater, Incoming Water, Drinking water , STP water	Oil and grease	LAB-P_SOP_376 (Based on APHA 23rd Edition 2017-5520 O & G - B & C)	0.5 – 100.00 mg/l
14	Discharged Wastewater, Raw Wastewater, Incoming Water, STP water	Phenol	APHA 5530 B, C&D; HJ 503	0.001-10 mg/l
15	Discharged Wastewater, Raw Wastewater, Incoming Water,, STP water	Foam (Persistent foam)	TUV-SUD Inhouse (Based on APHA 23 Edition-2017)	Not visible
16	Discharged Wastewater, Raw Wastewater, Incoming Water,, STP water	Sulfite	USEPA 377.1, APHA 23 Edition-2017	0.2-100 mg/l
17	Discharged Wastewater, Raw Wastewater, Incoming Water,, STP water	Heavy Metals Copper (Cu) Iron (Fe) Lead (Pb) Cadmium (Cd) Manganese (Mn)	LAB_P_SOP_383-year 2017 Revision no.:00 (Based on EN ISO 11885-2007 USEPA 6010.C USEPA 6020.A	0.005 – 10 mg/l, Mercury: 0.001 mg/l-5mg/l


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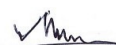
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		Nickel (Ni)	APHA 23 rd Ed-2017EN ISO	
		Zinc (Zn)	18412-2005, USEPA 218.6)	
		Mercury (Hg)		
		Selenium (Se)		
		Arsenic (As)		
		Chromium (Cr)		
		Cobalt (Co)		
		Silver (Ag)		
		Barium(Ba)		
		Tin (Sn)		
		Antimony (Sb)		
		Chromium VI	EN ISO 18412-2005, USEPA 218.6	1 – 10000 µg/l
18	Discharged Wastewater, Raw Wastewater, Incoming water, STP water	Alkyl Phenols and its Ethoxylates	LAB_P_SOP_372-year 2017 Revision no.:00 (Based on ISO 18857 -2-2009, ASTM D7065-17(2024), ISO 18254-1:2016)	2.5 – 100000 µg/l
		Nonyl Phenol Ethoxylates (NPEO)		2.5 – 100000 µg/l
		Octyl Phenol Ethoxylates (OPEO)		5 – 100000 µg/l
		Nonyl Phenol (NP)		5 – 100000 µg/l
		Octyl Phenol (OP)		5 – 100000 µg/l
19	Discharged Wastewater, Raw Wastewater, Incoming Water, STP water	Carcinogenic Dyes & Allergenic Dyes	LAB_P_SOP_373-year 2017 Revision no.:00 (Based on USEPA 8321B, USEPA 8270)	25 – 100000 µg/l
		Disperse Yellow 1		25 – 100000 µg/l
		Disperse Blue 102		25 – 100000 µg/l
		Disperse Blue 106		25 – 100000 µg/l
		Disperse Yellow 39		25 – 100000 µg/l
		Disperse Orange 37/59/76		25 – 100000 µg/l
		Disperse Brown 1		25 – 100000 µg/l
		Disperse Orange 1		25 – 100000 µg/l
		Disperse Yellow 3		25 – 100000 µg/l
		Disperse Red 11		25 – 100000 µg/l
		Disperse Red 1		25 – 100000 µg/l
		Disperse Red 17		25 – 100000 µg/l
		Disperse Blue 26		25 – 100000 µg/l
		Disperse Blue 35		25 – 100000 µg/l
		Disperse Blue 124		25 – 100000 µg/l
		Disperse Yellow 9		25 – 100000 µg/l
		Disperse Orange 3		25 – 100000 µg/l
		C.I. Direct Black 38		25 – 100000 µg/l
		C.I. Direct Blue 6		25 – 100000 µg/l
		C.I. Acid Red 26		25 – 100000 µg/l
		C.I. Basic Red 9		25 – 100000 µg/l


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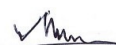
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		C.I. Direct Red 28		25 – 100000 µg/l
		C.I. Basic Violet 14		25 – 100000 µg/l
		C.I. Basic Violet 3		25 – 100000 µg/l
		C.I. Acid Violet 49		25 – 100000 µg/l
		C.I. Disperse Blue 3		25 – 100000 µg/l
		C.I. Disperse Blue 1		25 – 100000 µg/l
		C.I. Basic Blue 26 (with Michler's Ketone > 0.1%)		25 – 100000 µg/l
		C.I. Basic Green 4 (malachite green chloride)		25 – 100000 µg/l
		C.I. Basic Green 4 (malachite green oxalate)		25 – 100000 µg/l
		C.I. Basic Green 4 (malachite green)		25 – 100000 µg/l
		Disperse Orange 11		25 – 100000 µg/l
		Flame Retardants		
		Tris(2-chloroethyl)phosphate		2.5 – 100000 µg/l
		Tris(2,3-dibromopropyl)- phosphate		2.5 – 100000 µg/l
		Bis(2,3-dibromopropyl) phosphate		2.5 – 100000 µg/l
		Tris(1-aziridinyl) phosphine oxide)		2.5 – 100000 µg/l
		Tetrabromobisphenol A		2.5 – 100000 µg/l
		Hexabromocyclododecane		2.5 – 100000 µg/l
		2,2-bis(bromomethyl)-1,3- propanediol		2.5 – 100000 µg/l
		Tris(1,3-dichloro-isopropyl) phosphate		2.5 – 100000 µg/l
20	Discharged Wastewater, Raw Wastewater, Incoming Water, STP water	Decabromodiphenyl ether (DecaBDE)	LAB_P_SOP_375-year 2018 Revision no.:00	2.5 – 10000 µg/l
		Pentabromodiphenyl ether (PentaBDE)	(Based on ISO22032-2006, USEPA 527, USEPA 8321 B, USEPA 8270D:1998)	2.5 – 10000 µg/l
		Octa-bromo-diphenyl- ether(OctaBDE)		2.5 – 10000 µg/l
		Polybromobiphenyls (PBB)		2.5 – 10000 µg/l
		Nonabromodiphenyl ether (NonaBDE)		2.5 – 10000 µg/l
		Tetrabromodiphenyl ether (TetraBDE)		2.5 – 10000 µg/l
		Tribromodiphenylethers (TriBDEs)		2.5 – 10000 µg/l
		Boric acid		2.5 – 10000 µg/l
		Diboron trioxide		2.5 – 10000 µg/l


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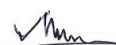
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		Disodium octaborate		2.5 – 10000 µg/l
		Disodium tetraborate anhydrous		2.5 – 10000 µg/l
		Tetraboron disodium heptaoxide, hydrate		2.5 – 10000 µg/l
		Tris-(2-chloro-1-methylethyl) phosphate (TCPP)		2.5 – 10000 µg/l
		Dibromopropylether		2.5 – 10000 µg/l
		Heptabromodiphenyl ether (HeptaBDE)		2.5 – 10000 µg/l
		Octabromobiphenyls (OctaBB)		2.5 – 10000 µg/l
		Decabromobiphenyl (DecaBB)		2.5 – 10000 µg/l
		Dibromobiphenyls (DiBB)		2.5 – 10000 µg/l
		Hexabromodiphenyl ether (HexaBDE)		2.5 – 10000 µg/l
		Monobromobiphenyls (MonoBB)		2.5 – 10000 µg/l
		Monobromodiphenylethers (MonoBDEs)		2.5 – 10000 µg/l
		Nonabromobiphenyls (NonaBB)		2.5 – 10000 µg/l
		Short-chain chlorinated Paraffins (SCCP) (C10-C13)		2.5 – 10000 µg/l
		Perfluorinated and Polyfluorinated Chemicals (PFCs)		
21	Discharged Wastewater, Raw Wastewater, Incoming Water, , STP water	PFOS	LAB_P_SOP_374-year 2018	0.01 – 10000 µg/l
		PFOA	Revision no.:00	0.01 – 10000 µg/l
		PFBS	(based on DIN 38407-42-2011)	0.01 – 10000 µg/l
		PFHxA		0.01 – 10000 µg/l
		8:2 FTOH		0.5 – 10000 µg/l
		6:2 FTOH		0.5 – 10000 µg/l
		Banned Aryl Amines		
		O-Toluidine		0.1 – 100000 µg/l
22	Discharged Wastewater, Raw Wastewater, Incoming Water, STP water	3,3 Dimethyl benzidine	LAB_P_SOP_386-year 2017	0.1 – 100000 µg/l
		2 Methoxy 5 methyl aniline (p- Cresidine)	Revision no.:00	0.1 – 100000 µg/l
		3,3' Dichloro benzidine	(Based on EN 14362-1 & 3 :2012; ISO14362-1 & 3 :2017)	0.1 – 100000 µg/l
		4 Chloro aniline		0.1 – 100000 µg/l
		2,4,5 Trimethyl aniline		0.1 – 100000 µg/l
		4,4 Diamino 3,3, dimethyl diphenyl		0.1 – 100000 µg/l


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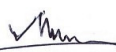
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		Methane		
		4 Amino azo benzene		0.1 – 100000 µg/l
		4 Amino phenylthio ether (4,4'-THIODIANILINE)		0.1 – 100000 µg/l
		4 Amino phenyl ether (.p,p'-Oxydianiline)		0.1 – 100000 µg/l
		3,3 Dimethoxy benzidine		0.1 – 100000 µg/l
		4,4' Benzidine		0.1 – 100000 µg/l
		Bis 4 (amino phenyl) methane		0.1 – 100000 µg/l
		2 Anisidine		0.1 – 100000 µg/l
		o-amino azo toluene		0.1 – 100000 µg/l
		4 Amino bi phenyl		0.1 – 100000 µg/l
		4 chloro 2 methyl aniline		0.1 – 100000 µg/l
		2,4 Diamino toluene		0.1 – 100000 µg/l
		4,4 Methylene bis (2 chloroaniline)		0.1 – 100000 µg/l
		2 Amino naphthalene		0.1 – 100000 µg/l
		2 Amino 4 nitro toluene		0.1 – 100000 µg/l
		2,4-Xylidine		0.1 – 100000 µg/l
		2,6-Xylidine		0.1 – 100000 µg/l
		2,4-Diaminoanisole		0.1 – 100000 µg/l
		Aniline		0.1 – 100000 µg/l
		p-phenylene diamine		0.1 – 100000 µg/l
		6-methoxy-m-toluidine		0.1 – 100000 µg/l
		Benzidine		0.1 – 100000 µg/l
		5-nitro-o-toluidine		0.1 – 100000 µg/l
		Chlorobenzenes and Chlorotoluenes		
		Monochlorobenzene		0.1 – 10000 µg/l
		1,2-Dichlorobenzene		0.1 – 10000 µg/l
		1,3-Dichlorobenzene		0.1 – 10000 µg/l
		1,4-Dichlorobenzene		0.1 – 10000 µg/l
		1,2,3-Trichlorobenzene		0.1 – 10000 µg/l
		1,2,4-Trichlorobenzene		0.1 – 10000 µg/l
		1,3,5-Trichlorobenzene		0.1 – 10000 µg/l
		1,2,3,4-Tetrachlorobenzene		0.1 – 10000 µg/l
		1,2,3,5-Tetrachlorobenzene		0.1 – 10000 µg/l
		1,2,4,5-Tetrachlorobenzene		0.1 – 10000 µg/l
		Pentachlorobenzene		0.1 – 10000 µg/l
		Hexachlorobenzene		0.1 – 10000 µg/l
		2-Chlorotoluene		0.1 – 10000 µg/l
		3-Chlorotoluene		0.1 – 10000 µg/l
23	Discharged Wastewater, Raw Wastewater, Incoming Water, STP water		LAB_P_SOP_387 year 2018 Revision no.:00 (based on EPA 8260B, EPA 8270D, DIN EN 17137:2019-02.)	


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Accreditation Standard: ISO/IEC 17025:2017 **Accreditation Date:** 16 April 2015

Certificate Number: 01.022.15 **Issued on:** 29 May 2024

Last Amended on: 05 October 2025 **Valid until:** 15 April 2027

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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
		4-Chlorotoluene		0.1 – 10000 µg/l
		2,3-Dichlorotoluene		0.1 – 10000 µg/l
		2,4-Dichlorotoluene		0.1 – 10000 µg/l
		2,5-Dichlorotoluene		0.1 – 10000 µg/l
		2,6-Dichlorotoluene		0.1 – 10000 µg/l
		3,4-Dichlorotoluene		0.1 – 10000 µg/l
		3,5-Dichlorotoluene		0.1 – 10000 µg/l
		2,3,4-Trichlorotoluene		0.1 – 10000 µg/l
		2,3,6-Trichlorotoluene		0.1 – 10000 µg/l
		2,4,5-Trichlorotoluene		0.1 – 10000 µg/l
		2,4,6-Trichlorotoluene		0.1 – 10000 µg/l
		3,4,5-Trichlorotoluene		0.1 – 10000 µg/l
		2,3,4,5-Tetrachlorotoluene		0.1 – 10000 µg/l
		2,3,5,6-Tetrachlorotoluene		0.1 – 10000 µg/l
		2,3,4,6-Tetrachlorotoluene		0.1 – 10000 µg/l
		Pentachlorotoluene		0.1 – 10000 µg/l
		Chlorophenols		
		2-chlorophenol		0.2 – 10000 µg/l
		3-chlorophenol		0.2 – 10000 µg/l
		4-chlorophenol		0.2 – 10000 µg/l
		2,3-dichlorophenol		0.2 – 10000 µg/l
		2,4-dichlorophenol		0.2 – 10000 µg/l
		2,5-dichlorophenol		0.2 – 10000 µg/l
		2,6-dichlorophenol		0.2 – 10000 µg/l
		3,4-dichlorophenol	LAB_P_SOP_389-year 2018	0.2 – 10000 µg/l
		3,5-dichlorophenol	Revision no.:00 (Based on ISO	0.2 – 10000 µg/l
		2,3,4-trichlorophenol	14154 – 2005, USEPA 8270D)	0.2 – 10000 µg/l
		2,3,5-trichlorophenol		0.2 – 10000 µg/l
		2,3,6-trichlorophenol		0.2 – 10000 µg/l
		2,4,5-trichlorophenol		0.2 – 10000 µg/l
		2,4,6-trichlorophenol		0.2 – 10000 µg/l
		3,4,5-trichlorophenol		0.2 – 10000 µg/l
		2,3,4,5-tetrachlorophenol		0.2 – 10000 µg/l
		2,3,4,6-tetrachlorophenol		0.2 – 10000 µg/l
		2,3,5,6-tetrachlorophenol		0.2 – 10000 µg/l
		Pentachlorophenol		0.2 – 10000 µg/l
		Halogenated solvents		
		1,2-dichloroethane	LAB_P_SOP_399-year 2018	0.5 – 10000 µg/l
		Methylene chloride	Revision no.:00 (Based on EPA	0.5 – 10000 µg/l
		Trichloroethylene	8260 B, EPA 5030 B; ISO -11423	0.5 – 10000 µg/l
		Tetrachloroethylene	-1-1997)	0.5 – 10000 µg/l
		Benzyl chloride		0.5 – 10000 µg/l
25	Raw Wastewater, Incoming Water, , STP water	Glycols	LAB_P_SOP_400-year 2018	

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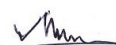
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	Incoming Water, STP water	Bis(2-methoxyethyl)-ether 2-ethoxyethanol 2-ethoxyethyl acetate Ethylene glycol dimethyl ether 2-methoxyethanol 2-methoxyethylacetate 2-methoxypropylacetate Triethylene glycol dimethyl ether 2-methoxyethanol Bis(2-methoxyethyl)-ether Ethylene glycol dimethyl ether Triethylene glycol dimethylether	Revision no.:00 (Based on EPA 8260 B; EPA 8270 D)	20 – 10000 µg/l 20 – 10000 µg/l 20 – 10000 µg/l 20 – 10000 µg/l 20 – 10000 µg/l 20 – 10000 µg/l 20 – 10000 µg/l 20 – 10000 µg/l 20 – 10000 µg/l 20 – 10000 µg/l 20 – 10000 µg/l
		Organotin compounds		
		Monomethyltin		0.01 - 10000 µg/l
		Dimethyltin		0.01 - 10000 µg/l
		Trimethyltin		0.01 - 10000 µg/l
		Monobutyltin		0.01 - 10000 µg/l
		Dibutyltin		0.01 - 10000 µg/l
		Tributyltin		0.01 - 10000 µg/l
		Monophenyltin		0.01 - 10000 µg/l
		Diphenyltin		0.01 - 10000 µg/l
		Triphenyltin		0.01 - 10000 µg/l
27	Raw Wastewater, Incoming Water, , STP water	Monooctyltin Dioctyltin Trioctyltin Dipropyltin compounds (DPT) Tetrabutyltin compounds (TeBT) Tripropyltin Compounds (TPT) Tetraoctyltin compounds (TeOT) Tricyclohexyltin (TCyHT) Tetraethyltin Compounds (TeET)	LAB_P_SOP_391-year 2018 Revision no.:00 (Based on ISO 17353-2004)	0.01 - 10000 µg/l 0.01 - 10000 µg/l 0.01 - 10000 µg/l 0.01 - 10000 µg/l 0.01 - 10000 µg/l 0.01 - 10000 µg/l 0.01 - 10000 µg/l 0.01 - 10000 µg/l 0.01 - 10000 µg/l 0.01 - 10000 µg/l
		Polyaromatic hydrocarbons		
28	Raw Wastewater, Incoming Water, STP water	Benzo[a]pyrene (BaP) Anthracene Pyrene Benzo[ghi]perylene Benzo[e]pyrene Indeno[1,2,3-cd] pyrene	LAB_P_SOP_395-year 2018 Revision no.00 (Based on DIN 38407-39-2011, EPA 8270 D)	0.5 – 10000 µg/l 0.5 – 10000 µg/l 0.5 – 10000 µg/l 0.5 – 10000 µg/l 0.5 – 10000 µg/l 0.5 – 10000 µg/l


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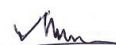
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		Benzo[j]fluoranthene		0.5 – 10000 µg/l
		Benzo[b]fluoranthene		0.5 – 10000 µg/l
		Fluoranthene		0.5 – 10000 µg/l
		Benzo[k]fluoranthene		0.5 – 10000 µg/l
		Acenaphthylene		0.5 – 10000 µg/l
		Chrysene		0.5 – 10000 µg/l
		Dibenz[a,h]anthracene		0.5 – 10000 µg/l
		Benzo[a]anthracene		0.5 – 10000 µg/l
		Acenaphthene		0.5 – 10000 µg/l
		Phenanthrene		0.5 – 10000 µg/l
		Fluorene		0.5 – 10000 µg/l
		Naphthalene		0.5 – 10000 µg/l
		Phthalate esters		
		Di-(2-ethyl-hexyl)- phthalate(DEHP)		5 – 10000 µg/l
		Bis-(2-methoxy-ethyl)- phthalate(DMEP)		5 – 10000 µg/l
		Di-n-octyl-phthalate(DNOP)		5 – 10000 µg/l
		Di-iso-decyl-phthalate(DIDP)		5 – 10000 µg/l
		Di-iso-nonyl-phthalate(DINP)		5 – 10000 µg/l
29		Di-n-hexyl phthalate (DnHP)		5 – 10000 µg/l
		Di-butyl-phthalate (DBP)		5 – 10000 µg/l
		Benzyl-butyl-phthalate (BBP)	LAB_P_SOP_393-year 2018	5 – 10000 µg/l
		Di-nonyl-phthalate (DNP)	Revision no.:00	5 – 10000 µg/l
		Di-ethyl-phthalate (DEP)	(Based on ISO 18856-2004,	5 – 10000 µg/l
		Di-n-propyl phthalate (DPRP)	USEPA 8270 D)	5 – 10000 µg/l
	Raw Wastewater, Incoming Water, STP water	Di-iso-butyl-phthalate(DIBP)		5 – 10000 µg/l
		Di-cyclohexyl phthalate (DCHP)		5 – 10000 µg/l
		Di-iso-octyl phthalate (DIOP)		5 – 10000 µg/l
		1,2-Benzene-di-carboxylic acid, di-C7,11-branched and linear alkyl esters (DHNUP)		5 – 10000 µg/l
		Di-iso-heptyl-phthalate(DIHP)		5 – 10000 µg/l
		Di-n-pentyl phthalate		5 – 10000 µg/l
		Diisononylphthalate's		5 – 10000 µg/l
30		Volatile Organic Compounds		
		Benzene	LAB_P_SOP_399-year 2018	1.0 – 10000 µg/l
		Xylene (Ortho-, Meta- & Para-)	Revision no.:01	1.0 – 10000 µg/l
		o-cresol	LAB_P_SOP_400-year 2018	1.0 – 10000 µg/l
		p-cresol	Revision no.:00	1.0 – 10000 µg/l
		m-cresol	(Based on EPA 8260 B; ISO	1.0 – 10000 µg/l
		Toluene	11423 -1:1997)	1.0 – 10000 µg/l


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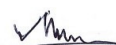
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
31	Sewage Sludge	Metals		
		Arsenic	LAB_P_SOP_384, year 2017	0.2 – 1000 mg/kg
		Cadmium	Revision no.:00 (Based on	0.2 – 1000 mg/kg
		Lead	USEPA 3051 A: 2007, USEPA	0.2 – 1000 mg/kg
		Mercury	3050 A: 1992, USEPA 3050 B:	0.005 – 1000
			1996, APHA 23 rd Ed-2017)	mg/kg
		Chromium VI		1.0 – 1000 mg/kg
		Barium		10.0- 1000 mg/kg
		Cobalt		1.0 – 1000 mg/kg
		Copper		10.0- 1000 mg/kg
		Nickel		1.0 – 1000 mg/kg
		Selenium		1.0 – 1000 mg/kg
		Silver		1.0 – 1000 mg/kg
32	Sewage Sludge	Alkyl Phenols and its Ethoxylates	LAB_P_SOP_379, year 2017	
		Nonyl Phenol Ethoxylates(NPEO)	Revision no.:00	0.2 – 1000 mg/kg
		Octyl Phenol Ethoxylates(OPEO)	(Based on ISO 18857 -2-2009,	0.2 – 1000 mg/kg
		Nonyl Phenol(NP)	ASTM D7065-11; ASTM D7065-	0.2 – 1000 mg/kg
		Octyl Phenol(OP)	17, ISO 18254-1:2016)	0.2 – 1000 mg/kg
33	Sewage Sludge	Chlorobenzenes and Chlorotoluene's		
		Monochlorobenzene		0.01 – 1000 mg/kg
		1,2-Dichlorobenzene		0.01 – 1000 mg/kg
		1,3-Dichlorobenzene		0.01 – 1000 mg/kg
		1,4-Dichlorobenzene		0.01 – 1000 mg/kg
		1,2,3-Trichlorobenzene		0.01 – 1000 mg/kg
		1,2,4-Trichlorobenzene		0.01 – 1000 mg/kg
		1,3,5-Trichlorobenzene		0.01 – 1000 mg/kg
		1,2,3,4-Tetrachlorobenzene	LAB_P_SOP_388-year 2018	0.01 – 1000 mg/kg
		1,2,3,5-Tetrachlorobenzene	Revision no.:00 (Based on EPA	0.01 – 1000 mg/kg
		1,2,4,5-Tetrachlorobenzene	8260B, EPA 8270D, DIN EN	0.01 – 1000 mg/kg
		Pentachloro benzene	17137:2019-02	0.01 – 1000 mg/kg
		Hexachlorobenzene	)	0.01 – 1000 mg/kg
		2-Chlorotoluene		0.01 – 1000 mg/kg
		3-Chlorotoluene		0.01 – 1000 mg/kg
		4-Chlorotoluene		0.01 – 1000 mg/kg
		2,3-Dichlorotoluene		0.01 – 1000 mg/kg
		2,4-Dichlorotoluene		0.01 – 1000 mg/kg
		2,5-Dichlorotoluene		0.01 – 1000 mg/kg
		2,6-Dichlorotoluene		0.01 – 1000 mg/kg
		3,4-Dichlorotoluene		0.01 – 1000 mg/kg


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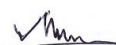
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		3,5-Dichlorotoluene		0.01 – 1000 mg/kg
		2,3,4-Trichlorotoluene		0.01 – 1000 mg/kg
		2,3,6-Trichlorotoluene		0.01 – 1000 mg/kg
		2,4,5-Trichlorotoluene		0.01 – 1000 mg/kg
		2,4,6-Trichlorotoluene		0.01 – 1000 mg/kg
		3,4,5-Trichlorotoluene		0.01 – 1000 mg/kg
		2,3,4,5-Tetrachlorotoluene		0.01 – 1000 mg/kg
		2,3,5,6-Tetrachlorotoluene		0.01 – 1000 mg/kg
		2,3,4,6-Tetrachlorotoluene		0.01 – 1000 mg/kg
		Pentachloro toluene		0.01 – 1000 mg/kg
		Polyaromatic hydrocarbons		
		Benzo[a]pyrene (BaP)		0.1 – 1000 mg/kg
		Anthracene		0.1 – 1000 mg/kg
		Pyrene		0.1 – 1000 mg/kg
		Benzo[ghi]perylene		0.1 – 1000 mg/kg
		Benzo[e]pyrene		0.1 – 1000 mg/kg
		Indeno[1,2,3-cd]pyrene		0.1 – 1000 mg/kg
		Benzo[j]fluoranthene	LAB_P_SOP_396-year 2018	0.1 – 1000 mg/kg
		Benzo[b]fluoranthene	Revision no.:00	0.1 – 1000 mg/kg
34	Sewage Sludge	Fluoranthene	(Based on DIN 38407-39-2011, EPA 8270 D)	0.1 – 1000 mg/kg
		Benzo[k]fluoranthene		0.1 – 1000 mg/kg
		Acenaphthylene		0.1 – 1000 mg/kg
		Chrysene		0.1 – 1000 mg/kg
		Dibenz[a,h]anthracene		0.1 – 1000 mg/kg
		Benzo[a]anthracene		0.1 – 1000 mg/kg
		Acenaphthene		0.1 – 1000 mg/kg
		Phenanthrene		0.1 – 1000 mg/kg
		Fluorene		0.1 – 1000 mg/kg
		Naphthalene		0.1 – 1000 mg/kg
35	Sewage Sludge	Dry Mass (Total Solids)	Based on USEPA 160.3	10.0-20000 mg/kg
36	Discharged Wastewater, Raw Wastewater, Incoming Water, STP water	Anti- Microbials & Biocides - o-Phenylphenol (+salts) (90-43-7) - Triclosan (3380-34-5) - Permethrin	In House test Method Based on USEPA 8270E BS EN 12673-1999 ISO 14154:2005	100µg/L-2000 µg/L
37	Discharged Wastewater, Raw Wastewater, Incoming Water, STP water	Dimethyl formamide (DMFa)	In House test Method Based on EPA 8015/EPA 8270E/ USEPA 8260	500µg/L -20000 µg/L
38	Discharged Wastewater, Raw	Other/Miscellaneous Chemicals - AEEA [2-(2-aminoethylamino)	In House test Method	10 µg/L -5000 µg/L


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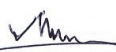
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	Wastewater, Incoming Water, STP water	ethanol] (111-41-1) - Bisphenol A (80-05-7) - Thiourea (62-56-6) - Borate, zinc salt (12767-90-7)		
39	Discharged Wastewater, Raw Wastewater, Incoming Water, STP water	UV Absorbers	In House test Method based on ISO 24040:2022/USEPA 8270 ISO 22032, USEPA 527 and USEPA 8321B	100µg/L -5000 µg/L
40	Discharged Wastewater, Raw Wastewater, Incoming Water, STP water	Total Chlorine	In House test Method based on EPA 330.5 SM4500-Cl-G ISO 7393-2	0.1 mg/L -10.0 mg/L
41	Discharged Wastewater, Raw Wastewater, Incoming Water, Drinking water, STP water	Chloride	In House test Method based on SM 4110-B SM 4110-C SM 4500-Cl D or E USEPA 300 ISO 10304-1 ISO 15923-1	1mg/L -25000 mg/L
42	Discharged Wastewater, Raw Wastewater, Incoming Water, STP water	Sulfate	In House test Method based on SM 4500 SO ₄ , E, F, G SM 4110 B, C USEPA 300 USEPA 9038 ISO 10304-1 ISO 15923-1	2000 µg/L -50000 µg/L
43	Sludge	% Solids	In House test Method based on EPA 160.3	1%-100%
44	Sludge	Paint Filter Test	In House test Method based on EPA SW-846 or EPA 9095B	Present/Absent

END


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