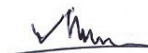


## SCOPE OF ACCREDITATION

(For Testing Laboratory)

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<b>Last Amended on:</b>	NA	<b>Valid until:</b>	24 Oct 2027
<b>Amendment no:</b>	NA		

S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
<b>Field: Mechanical Testing</b>					
01	Textiles, Garment & Accessories	Colour fastness to artificial light: Xenon arc fading lamp test	DIN EN ISO 105 B02-2014, ISO 105 B02-2014, BS EN ISO 105 B02-2014, AATCC TM 16.3 (Option3)-2020		BWS 1 to 8 Grade 1 to 5
02	Textiles, Garment & Accessories	Colour fastness to light of textiles wetted with artificial perspiration	DIN EN ISO 105 B07-2009, ISO 105 B07-2009, EN ISO 105 B07-2009, BS EN ISO 105 B07-2009, AATCC TM 125: 2020.		BWS 1 to 8 Grade 1 to 5
03	Textiles, Garment & Accessories	Colour fastness to water	DIN EN ISO 105 E01-2013, ISO 105 E01-2013, EN ISO 105 E01-2013, BS EN ISO 105 E01-2013, AATCC TM 107-2022.		1 to 5 grade
04	Textiles, Garment & Accessories	Colour fastness to sea water	DIN EN ISO 105 E02-2013, ISO 105 E02-2013, EN ISO 105 E02-2013, BS EN ISO 105 E02-2013, AATCC TM 106-2013.		1 to 5 grade
05	Textiles, Garment & Accessories	Colour fastness to chlorinated water (swimming-pool water)	DIN EN ISO 105 E03-2010, ISO 105 E03-2010, EN ISO 105 E03-2010, BS EN ISO 105 E03-2010, AATCC TM 162:2011		1 to 5 grade
06	Textiles, Garment & Accessories	Colour fastness to perspiration	DIN EN ISO 105 E04-2013, ISO 105 E04-2013, BS EN ISO 105 E04-2013, AATCC TM 15-2021.		1 to 5 grade
07	Textiles, Garment & Accessories	Colour fastness to spotting: Acid	DIN EN ISO 105 E05:2010, ISO 105 E05:2010, EN ISO 105 E05:2010, BS EN ISO 105 E05:2010, AATCC TM 6-2021.		1 to 5 grade
08	Textiles, Garment & Accessories	Colour fastness to spotting: Alkali	DIN EN ISO 105 E06-2006, ISO 105 E06-2006, EN ISO 105 E06-2006, BS EN ISO 105 E06-2006, AATCC TM 6-2021.		1 to 5 grade

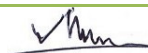
  
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
09	Textiles, Garment & Accessories	Colour fastness to spotting: Water	DIN EN ISO 105 E07-2010, ISO 105 E07-2010, BS EN ISO 105 E07-2010, AATCC TM 104-2014.		1 to 5 grade
10	Textiles, Garment & Accessories	Colour fastness to washing	DIN EN ISO 105 C06-2010, ISO 105 C06-2010, BS EN ISO 105 C06-2010, DIN EN ISO 105 C08-2010, ISO 105 C08-2010, BS EN ISO 105 C08-2010, DIN EN ISO 105 C09, ISO 105 C09:2001/Amd.1: 2003(E), EN ISO 105 C09, BS EN ISO 105 C09-2001, DIN EN ISO 105 C10:2007, ISO 105 C10:2007, EN ISO 105 C10:2007, BS EN ISO 105 C10:2007, AATCC TM 61-2020.		1 to 5 grade
11	Textiles, Garment & Accessories	Colour fastness to dry cleaning of using perchloroethylene solvent	DIN EN ISO 105 D01-2010, ISO 105 D01-2010, EN ISO 105 D01-2010, BS EN ISO 105 D01-2010, AATCC TM 132-2013.		1 to 5 grade
12	Textiles, Garment & Accessories	Colour fastness to artificial saliva and sweat	DIN 53160-1 & 2: 2010, STANDARD 100 by OEKO-TEX®		1 to 5 grade
13	Textiles, Garment & Accessories	Colour fastness to bleaching: Hypochlorite/ Peroxide	ISO 105-N01-1993, BS EN 20105-N01-1993, DIN EN ISO 105-N02-2018, ISO 105-N02-1995, EN ISO 105-N02-1995, BS EN ISO 105-N02-1995. AATCC TS-001		1 to 5 grade
14	Textiles, Garment & Accessories	Colour fastness to organic solvents	DIN EN ISO 105 X05-1997, ISO 105 X05-1994, EN ISO 105 X05-1997, BS EN ISO 105 X05-1997.		1 to 5 grade
15	Textiles, Garment & Accessories	Migration of textile colors into polyvinyl chloride coatings	DIN EN ISO 105-X10:1995, ISO 105-X10:1993, EN ISO 105-X10:1995		1 to 5 grade

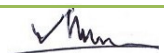
  
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
			BS EN ISO 105-X10:1996		
16	Textiles, Garment & Accessories	Colour fastness to rubbing / Crocking	DIN EN ISO 105 X12-2016, ISO 105 X12-2016, EN ISO 105 X12-2016, BS EN ISO 105 X12-2016, AATCC TM 8-2022.		1 to 5 grade
17	Textiles, Garment & Accessories	Colour fastness to the potential to phenolic yellowing	DIN EN ISO 105 X18-2007, ISO 105 X18-2007, EN ISO 105 X18-2007, BS EN ISO 105 X18-2007.		1 to 5 grade
18	Textiles, Garment & Accessories	Colour fastness to dye Transfer in storage/ Sublimation in storage	DIN 54056- 2017 AATCC TM 163-2020		1 to 5 grade
19	Textiles, Garment & Accessories	Determination of colour fastness of dyeing and prints to bleaching: hypochlorite (mild)	DIN 54034:2018		1 to 5 grade
20	Textiles, Garment & Accessories	Colour Difference Assessment	Visual Method ( Per sample) Computer Spectrophotometric Analysis		1 to 5 grade
21	Textiles, Garment & Accessories	Colour fastness to Ironing	DIN EN ISO 105 X11:1996 ISO 105 X11:1994 EN ISO 105 X11:1996 BS EN ISO 105 X11:1996 AATCC TM 133:2020		1 to 5 grade
22	Textiles, Garment & Accessories	Colour fastness to Dry heat	DIN EN ISO 105 P01:1995 ISO 105 P01:1993 EN ISO 105 P01:1995 BS EN ISO 105 P01:1995 AATCC TM 117:2019		1 to 5 grade
23	Textiles, Garment & Accessories	Test Method for Oil Repellency: Hydrocarbon Resistance	AATCC TM 118-2020e DIN EN ISO 14419:2010		0 to 8 grade
24	Textiles, Garment & Accessories	Presence of odour	GB 18401:2010 clause 6.7, SNR195651-2015		Qualitative
25	Textiles, Garment & Accessories	Absorbency of textile	AATCC TM 79-2018 DIN EN ISO 14697:2005 Annex B ASTM D4772-14		0 to 60 sec
26	Textiles, &	Test methods for accessories: Metallic	DIN EN ISO 22775:2005		1 to 5 grade


  
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
	Accessories	accessories —Corrosion resistance.	ISO 22775:2004 EN ISO 22775:2004 BS EN ISO 22775:2004		
27	Textiles, Garment & Accessories	Determination of Moisture drying rate	ISO 17617:2014		1 Mins to 60 min
28	Textiles, Garment & Accessories	Determination of water absorption velocity of textile fabrics (capillary rise method)	DIN 53924:2020 AATCC TM 197-2011e2(2018)e		1mm -250 mm / 180 Sec
29	Textiles, Garment & Accessories	Threads per unit length/ Fabric Count (Stitch density) - Fabric-Construction	ASTM D 3775:2017 DIN EN 1049-2:1994 EN 1049-2:1993 BS EN 1049-2:1994 ISO 7211/2:1984 ASTM D 3887:2008 BS 5441:1988+A1:2019 ISO 7211-1:1984 ISO 3572:1976 DIN EN 14971: 2006 DIN EN ISO 14697:2005 Annex C		2 to 100 per cm
30	Textiles, Garment & Accessories	Yarn number based on short length specimens	ASTM D 1059:17 ISO 7211/5:2020 DIN 53830-3:1981		1s-120s Ne
31	Textiles, Garment & Accessories	Mass per unit area & unit length of fabric	BS 2471:2005 ASTM D 3776/D 3776 M:2020a Option-C ISO 3801- Method 5:1977 DIN EN 12127:1997 DIN EN ISO 14697:2005 Annex A		5 GSM-500 GSM Full range: GUL
32	Textiles, Garment & Accessories	Fabric width	ISO 22198:2006 ASTM D 3774:2018 DIN EN 1773:1997		1 cm -300 cm

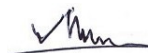
  
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33	<b>Textiles, Garment &amp; Accessories</b>	Pilling Resistance -Pilling Box Method -Martindale Method -Random Tumbler Method - Snagging Method	DIN EN ISO 12945-1:2021 ISO 12945-1:2020, EN ISO 12945-1:2020, BS EN ISO 12945-1:2020, DIN EN ISO 12945-2:2021, ISO 12945-2:2020, EN ISO 12945-2:2020, BS EN ISO 12945-2:2020, DIN EN ISO 12945-3:2021, ISO 12945-3:2020, EN ISO 12945-3:2020, JIS 1058 Option 3 BS 8479:2008 BS EN ISO 12945-3:2020, ASTM D3512/D 3512M-22. ASTM D4970/D4970M-10 ASTM D3939/D3939-13 (Reapproved 2017)		1 to 5 Grade
34	<b>Textiles, Garment &amp; Accessories</b>	Abrasion resistance (Martindale)	DIN EN ISO 12947-1:2007, ISO 12947-1:1998, EN ISO 12947-1:1998, BS EN ISO 12947-1:1998, DIN EN ISO 12947-2:2017, ISO 12947-2:2016, EN ISO 12947-2:2016, BS EN ISO 12947-2:2016, ASTM D 4966:2022, DIN EN ISO 12947-3:200,7 ISO 12947-3:1998/Cor. 1:2002, EN ISO 12947-3:1998, BS EN ISO 12947-3:1998, DIN EN ISO 12947-4:2007,		-Up to 99999 rubs for breakdown -Up to 30% for weight loss - 1 to 5 Grade

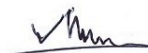
  
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
			ISO 12947-4:1998/Cor. 1:2002, EN ISO 12947-4:1998, BS EN ISO 12947-4:1998. DIN EN 13770:2002		
35	Textiles, Garment & Accessories	Breaking strength and elongation (Strip Test)	DIN EN ISO 13934-1:2013, ISO 13934-1:2013, EN ISO 13934-1:2013, BS EN ISO 13934-1:2013, ASTM D 5035-2019.		10 N to 5000 N 0-200%
36	Textiles, Garment & Accessories	Breaking strength and elongation (Grab Test)	DIN EN ISO 13934-2:2014, ISO 13934-2:2014, EN ISO 13934-2:2014, BS EN ISO 13934-2:2014, ASTM D 5034-2021.		10 N to 5000 N
37	Textiles, Garment & Accessories	Determination of Single end Breaking force and elongation at break using constant rate of extension (Yarns from packages)	DIN EN ISO 2062:2010 ASTM D 2256 / D2256M:2021		1 Centi newton - 500000 Centi newton
38	Textiles, Garment & Accessories	Seam Properties -Seam Strength -Seam Slippage	DIN EN ISO 13935-1:2014, ISO 13935-1:2014, EN ISO 13935-1:2014, BS EN ISO 13935-1:2014, DIN EN ISO 13935-2:2014, ISO 13935-2:2014, EN ISO 13935-2:2014, BS EN ISO 13935-2:2014, DIN EN ISO 13936-1:2004, ISO 13936-1:2004, EN ISO 13936-1:2004,		1N to 5000 N 0-80% Up to 10mm

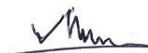
  
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			BS EN ISO 13936-1:2004, DIN EN ISO 13936-2:2004, ISO 13936-2:2004, EN ISO 13936-2:2004, BS EN ISO 13936-2:2004, ASTM D 1683/D1683M-2022.		
39	<b>Textiles, Garment &amp; Accessories</b>	Tearing strength of fabrics -Elmendorf - Single Rip - Double tear	DIN EN ISO 13937-1:2000, ISO 13937-1:2000, BS EN ISO 13937-1:2000, ASTM D 1424-2021, DIN EN ISO 13937-2:2000, ISO 13937-2:2000, EN ISO 13937-2:2000, BS EN ISO 13937-2:2000, ASTM D 2261-2017, BS 4303-1968, ASTMD 5587-2019, DIN EN ISO 13937-3:2000, ISO 13937-3:2000, EN ISO 13937-3:2000, BS EN ISO 13937-3:2000, DIN EN ISO 13937-4:2000, ISO 13937-4:2000, EN ISO 13937-4:2000, BS EN ISO 13937-4:2000.		Elmendorf= 1N- 128N  Others= 1 N to 5000 N
40	<b>Textiles, Garment &amp; Accessories</b>	Bursting strength -Pneumatic -Ball Burst	DIN EN ISO 13938-2:2020, ISO 13938-2:2019, EN ISO 13938-2:2019,		(1-2000) KPa 1N-5000N

  
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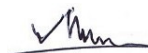


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			BS EN ISO 13938-2:2019, ASTM D3786/D 3786M-2018, ASTM D3787-2016.		
41	Zipper & Toys	Slide fasteners (Zips)- Specification	ASTM D 2061:07 (2021) 16 CFR 1500:53 DIN EN 16732:2016 EN 16732:2015 BS EN 16732:2015		(1 N to 5000 N) Up to 99999 cycles
42	Textiles, Garment & Accessories	Resistance to Unsnapping of Snap Fasteners	ASTM D 4846:96 (2021)		1N – 300 N
43	Textiles, Garment & Accessories	Stretch and Recovery/ Tension and Elongation of Elastic fabrics	DIN EN /EN 14704-1:2005 BS EN 14704-1:2005 DIN EN ISO 20932-1:2020 EN ISO 20932-1:2020 BS EN ISO 20932-1:2020 ASTM D 4964:96 (2020) ASTM D 3107:2011 ASTM D 2594:2021		1 to 200%
44	Textiles, Garment & Accessories	Resistance to surface wetting (Spray-test)	DIN EN ISO 4920:2012 ISO 4920:2012 EN ISO 4920:2012 BS EN ISO 4920:2012 DIN EN 24920:1992 AATCC TM 22:2017		ISO 1 to ISO 5 (0 to 100)
45	Textiles, Garment, Accessories and Toys	Torque Test	DIN EN 71 Part 1-Clause-8.3:2018, 16 CFR 1500.51/52/53 ASTM F 963-17		Qualitative
46	Textiles, Garment	Attachment/Pull strength off of	PD CEN/TR 16792:2014,		1 N -600 N

  
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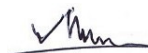


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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
	& Toys	Snap/Button/Rivets	ASTM F 963-17, 16 CFR 1500.51.52.53, DIN EN 71 Part-1:2018 EN 71 Part-1:2014+A1: 2018 BS EN 71 Part-1:2014+A1: 2018 ASTM D7142-05 (R2021) DIN CEN TR 17394-1:2021 DIN CEN TR 17394-2:2020 DIN CEN TR 17394-3:2021 DIN CEN TR 17394-4:2021		(0.1 Kg – 60 Kg)
47	Textiles, Garment & Toys products (Tensile 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)	DIN EN 71 Part 1-Clause-8.2:2018, EN 71 Part-1-Clause-8.2:2014+A1:2018 BS EN 71 Part-1-Clause-8.2:2014+A1:2018 16 CFR 1501, ASTM F 963:17, Sec-4.6		Qualitative
48	Textiles, Garment & Toys products (Tensile Metal Glass, Plastic, Stone, Leather Accessories) in Garments, Metal Jewellery, other article intended to use for children	Determination of Sharp Points Under a Force of 4.45 N (1 Pound)	DIN EN 71 Part 1-Clause-8.12:2018, EN 71 Part-1-Clause-8.12:2014+A1:2018 BS EN 71 Part-1-Clause-8.12:2014+A1:2018 16 CFR 1500.48, ASTM F 963:17, Sec-4.9		Qualitative
49	Textiles, Garment & Toys products (Tensile Metal	Determination of Sharp Edges Under a Force of up to 8.90 N (1.35 Pound)	DIN EN 71 Part 1-Clause-8.11:2018, EN 71 Part-1-Clause-		Qualitative

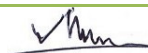
  
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	Glass, Plastic, Stone, Leather Accessories) in Garments, Metal Jewellery, other article intended to use for children		8.11:2014+A1:2018 BS EN 71 Part-1-Clause- 8.11:2014+A1:2018 16 CFR 1500.49, ASTM F 963:17, Sec-4.7		
50	Textiles, Garment & Toys products	Safety of children's clothing. Cords and Drawstrings on children's clothing. Specification.	DIN EN 14682:2015, EN 14682:2014 BS EN 14682:2014 ASTM F 1816:2018		Qualitative
51	Textiles, Garment & Accessories	Dimensional Stability to washing and drying	DIN EN ISO 3759:2011 ISO 3759:2011 EN ISO 3759:2011 BS EN ISO 3759:2011 DIN EN ISO 5077:2008 ISO 5077:2007 EN ISO 5077:2008 BS EN ISO 5077:2008 DIN EN ISO 6330:2022 ISO 6330:2021 EN ISO 6330:2021 BS EN ISO 6330:2021 AATCC TM 135:2018 AATCC TM 150:2018		Elongation & shrinkage 0 to 50%
52	Textiles, Garment & Accessories	Dimensional Stability to Dry Cleaning	AATCC TM 158:2016		Elongation & shrinkage 0 to 50%
53	Textiles, Garment & Accessories	Appearance after fabric after repeated home laundering	AATCC TM 124:2018, ISO 7768:2009 BS ISO 7768:2009		Grade: SA-1 to SA-5
54	Textiles, Garment & Accessories	Smoothness of seams in fabrics after repeated home laundering	AATCC TM 88B:2018, ISO 7770:2009 BS ISO 7770:2009		Grade: SS-1 to SS-5

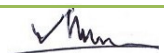
  
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
55	Textiles, Garment & Accessories	Retention of creases in fabrics after repeated home laundering	AATCC TM 88C: 2018, ISO 7769:2009 BS ISO 7769:2009		Grade: CR-1 to CR-5
56	Textiles, Garment & Accessories	Appearance of apparel and other textile products after repeated home laundering	DIN EN ISO 15487:2018, ISO 15487:2018 EN ISO 15487:2018 BS EN ISO 15487:2018 AATCC TM 143:2018,		Grade: SA-1 to SA-5 Grade: SS-1 to SS-5 Grade: CR-1 to CR-5
57	Textiles, Garment & Accessories	Appearance (visual assessment) after laundering	In-house method (SOP-QM-11.BD.02.A4.778)		1 to 5 Grade Spirality: Up to $\pm 50\%$
58	Textiles, Garment & Accessories	Spirality / Skewing of fabrics & garments	ISO 16322-1:2005, BS ISO 16322-1:2005 ISO 16322-2: 2021, BS ISO 16322-2: 2021 ISO 16322-3:2021, BS ISO 16322-3: 2021 AATCC TM 179:2019 AATCC TM 207: 2019		Up to $\pm 50\%$
59	Textiles, Garment & Accessories	Bow & Skewness	ASTM D3882:2020, BS 2819:1990+A2:2016 ISO 13015:2013		0 to $\pm 50\%$
60	Textiles, Garment & Accessories	Durability Wash of garment/Print/Motif/App lique/Embroidery	In-house method (SOP-QM-11.BD.02.A4.732)		Qualitative
61	Textiles, Garment & Accessories	Crease Recovery	AATCC TM 66-2017 ISO 2313-1:2021		0° - 180°
62	Textiles, Garment & Accessories	Wrinkle Recovery	AATCC TM 128-2017 ISO 9867:2022		1 - 5 Grade
63	Textiles, Garment & Accessories	Fibre analysis- Qualitative & quantitative	DIN EN ISO 1833, ISO 1833		Up to 100 %

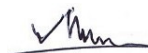
  
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## SCOPE OF ACCREDITATION

(For Testing Laboratory)

<b>CAB Name &amp; Address:</b>	Hohenstein Laboratories Bangladesh Limited, Dhaka, 122/1 Love Road, Tejgaon Industrial Area, Dhaka-1208, Bangladesh.		
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
			EN ISO 1833 BS EN ISO 1833 ISO 5088, BS 4407:1988, ASTM D 629-2015, AATCC TM 20-2021, AATCC TM 20A-2021, FZ/T 01057-2007, GB/T 2910-2009, EU 1007/2011, AS 2001.7-2005 DIN 54221-1975 DIN 54204-1975 DIN 54209-1975		
64	<b>Textiles, Garment &amp; Accessories</b>	Flammability of children's sleepwear (up to 14 years) in the USA	16 CFR Part 1615 / 1616		1 to 10 Inch
65	<b>Textiles, Garment &amp; Accessories</b>	Flammability of Apparels	CPSC 16 CFR Part 1610, ASTM D 1230-22 DIN EN 1103:2006, EN 1103:2005 BS EN 1103:2005 DIN EN 14878:2007 /AC:2009, EN 14878:2007 BS EN 14878:2007		0.1 Sec to 9999 Sec
66	<b>Textiles, Garment &amp; Accessories</b>	<b>Flammability</b> of Textile Clothing & Nightwear	DIN EN ISO 6940:2004, ISO 6940:2004 EN ISO 6940:2004 BS EN ISO 6940:2004 DIN EN ISO 6941:2004 ISO 6941:2004 EN ISO 6941:2004 BS EN ISO 6941:2004		0.1-3600 Sec


  
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			BS 5438:1976 Test 1, 2 & 3, BS 5722:1984 Test 3, DIN EN 1101:2005 EN 1101:2005 BS EN 1101:2005 DIN EN 1102:2016, EN 1102:2016 BS EN 1102:2016		
67	<b>Textiles, Garment &amp; Accessories</b>	Fiber Fineness/Thickness	DIN EN ISO 137:2016 ISO 137:2015 EN ISO 137:2015 BS EN ISO 137:2015 DIN 53811:1970 ISO 2589:2016 ISO 5084:1996 ASTM D 1813-13 (2017) ISO 17186:2011		≤ 1 dtex  0.01 mm -10 mm
<b>Field: Chemical Testing</b>					
68	<b>Paint and other similar surface coatings</b>	Determination of Lead content by ICP-MS	SOP-QM-11 BD 02 A1 027 (according to DIN EN 16711-1:02-2016 and DIN EN ISO 17294-2:2024, CPSC-CH-E1003-09.1 ;2011; STANDARD 201 by OEKO-TEX® M-21 and ML-21)		LOD=5 mg/kg
69	<b>Metal children's products (including children's metal jewelry)</b>	Determination of Lead content by ICP-MS	SOP-QM-11 BD 02 A1 027 (according to DIN EN 16711-1:02-2016 and DIN EN ISO 17294-2:2024, CPSC-CH-E1001-08.3, 2012; STANDARD 201 by OEKO-TEX® M-21 and ML-21)		LOD=5 mg/kg

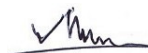
  
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
70	Non-metal children's products	Determination of Lead content by ICP-MS	SOP-QM-11 BD 02 A1 027 (according to DIN EN 16711-1:02-2016 and DIN EN ISO 17294-2:2024, CPSC-CH-E1002-08.3;2012; STANDARD 201 by OEKO-TEX® M-21 and ML-21)		LOD=5 mg/kg
71	Textiles, leather and accessories	Determination of total heavy metal content with ICP-MS	SOP-QM-11 BD 02 A1 027 (according to DIN EN 16711-1:02-2016 and DIN EN ISO 17294-2:2024, DIN EN ISO 17072-2:2019, EPA 3050 B, EPA 3051, EN 16711-1 STANDARD 201 by OEKO-TEX® M-21 and ML-21)		LOD=5 mg/kg
72	Plasticized component part of children's toy, childcare article, leather accessories, dyes, pigments, inks, printing auxiliaries and chemicals	Standard Operating Procedure for Determination of Phthalates and siloxane.	SOP-QM-11 BD 02 A3 002 (according to CPSC-CH-C1001-09.4 (2018), CEN ISO/TS 16181, DIN EN ISO 15777; ISO 14389, DIN EN ISO 14389:2014; DIN EN ISO 16181-1 2021; UV-Stabilizer according to modified ISO 24040: 2022 as well as tris(2-chlorethyl) phosphate, bisphenol A and selected siloxanes according to STANDARD 201 by OEKO-TEX® M-18 and ML-18) SOP-QM-11 BD 02 A7 053, (according to DIN EN ISO 14389:2014; Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals)		LOD=50 mg/kg
73	Metal products	Determination of total lead and cadmium in metallic consumer products with the help of ICP-MS	SOP-QM 11 BD 02 A1 026 (according to 16 CFR 1303, Product Safety Reference Manual, Book 5, part B (method C-02.2, C-02.3, C-02.4))		LOD=5 mg/kg
74	Textile, leather and accessories, dyes, pigments, inks, printing auxiliaries	Analysis of commodity goods - Methods for determination of certain	SOP-QM-11 BD 02 A2 001 (According to DIN EN 14362-1: 2017, DIN EN 14362-3;2017, DIN EN ISO 17234-1:2020 and DIN EN ISO 17234-2:2011;		LOD=5 mg/kg


  
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
	and chemicals	aromatic amines in textiles & Leather derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with or without extraction]	STANDARD 201 by OEKO-TEX® M-3, ML-3 and ECO PASSPORT by OEKO-TEX®) SOP-QM-11 BD 02 A7 057 (According to DIN EN 14362-1: 2017, DIN EN 14362-3;2017; Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals)		
75	Textile, leather and accessories, dyes, pigments, inks, printing auxiliaries and chemicals	Analysis of commodity goods - Methods for determination of certain azo colorants in textiles & Leather - Part 3: Detection of the use of certain azo colorants, which release 4-Aminoazobenzene	SOP-QM-11 BD 02 A2 001 (According to DIN EN 14362-1: 2017, DIN EN 14362-3;2017, DIN EN ISO 17234-1:2020 and DIN EN ISO 17234-2:2011; STANDARD 201 by OEKO-TEX® M-3, ML-3 and ECO PASSPORT by OEKO-TEX®) SOP-QM-11 BD 02 A7 057 (According to DIN EN 14362-1: 2017, DIN EN 14362-3;2017; Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals)		LOD=5 mg/kg
76	Textile materials, textile products	Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method)	SOP-QM-11 BD 02 A5 006 (according to JIS L 1041-2011 or Law 112 (Acetyl acetone method), DIN EN ISO 14184-1:2011), SASO 2142:2003, SASO 2143 (released):2003		LOD=10 mg/kg
77	Textile, leather and accessories	Determination of pH value in aqueous extract of textiles and leather.	SOP-QM-11 BD 02 A5 013 (according to DIN EN ISO 3071:2020, DIN EN ISO 4045:2018, STANDARD 201 by OEKO-TEX® M-1 and ML-1), SASO 2144:2003		0 – 14
78	Coated and Non-coated metal materials	Reference test method for release of nickel from all post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin	SOP-QM 11BD 02 A1 025 (according to DIN EN 1811: 2023, DIN EN 12472:2020 and subsequent measurement according to DIN EN ISO 17294-2:2024)		LOD = 0.1 µg/cm <sup>2</sup> /week

  
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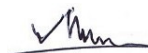


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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
79	<b>Metal materials</b>	Screening tests for nickel release from alloys and coatings in items that come into direct and prolonged contact with the skin (Nickel Spot test)	SOP-QM 11 BD 02 A1 025 (According to CR 12471:2002)		Qualitative
80	<b>Textile, leather and accessories</b>	Determination of Extractable Heavy Metals (As, Pb, Cd, Co, Ni, Cr, Cu, Hg, Mn, Zn, Sb, Mn, Ba and Se) in artificial acidic sweat solution by ICP-MS	SOP-QM-11 BD 02 A1 029 (according to modified DIN EN 16711-2:2016; DIN EN ISO 17072-1:2019, Textiles; STANDARD 201 by OEKO-TEX® M-10 & ML-10)		LOD- As, Pb, Cd- 0.05 mg/kg, Cr, Co, Ni- 0.1 mg/kg, Cu, Sb, Zn, Mn – 4 mg/kg, Hg, Sn:- 0.01 mg/kg, Ba-4 mg/kg
81	<b>Textile, Polymer, toys, leather, accessories, dyes, pigments, inks, printing auxiliaries and chemicals</b>	Determination of selected polycyclic aromatic hydrocarbons (PAHs) by means of gas chromatography	SOP-QM-11 BD 02 A3 012 (according to DIN EN 17132: 2019, AfPS GS 2019:01, ISO 18287; AfPS GS 2014-01; DIN EN ISO 4044:2017, EN ISO 16190:2022); SOP-QM-11 BD 02 A7 050 (according to DIN EN 17132: 2019, Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals)		LOD (PAHs) = 0.1 mg/kg
82	<b>Textile and accessories</b>	Determination of selected chlorophenols and phenol	SOP-QM-11 BD 02 A3 005: (Extraction with microwave, According to DIN 50009:2021; ISO 17070:2015; § 64 LFGB B 82.02-08, DIN EN ISO 13365 STANDARD 201 by OEKO-TEX® M-7)		LOD = 0.02 mg/kg
83	<b>Leather and accessories</b>	Determination of tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol	SOP-QM 11 BD 02 A3 023 (According to DIN EN ISO 17070:2015, § 64 LFGB B 82.02-08 ; Modification: according to STANDARD 201 by OEKO-TEX® ML-7)		LOD = 0.02 mg/kg
84	<b>Textiles, Leather, accessories, dyes, pigments, inks,</b>	Determination of Organotin compounds with Extraction	SOP-QM-11 BD 02 A3 011 (according to DIN EN ISO 22744-1&2:2020; DIN EN ISO 23161: 2011; CEN ISO/TS		LOD = 0.05mg/kg

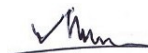
  
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
	<b>printing auxiliaries and chemicals</b>	Facilitated by Carbamate / GC-MS/MS analysis	16179:2012; DIN EN ISO 17353; CEN ISO/TS 16179-2012; STANDARD 201 by OEKO-TEX® M-17 + ML-17) SOP-QM-11 BD 02 A7 054 (according to DIN EN ISO 23161: 2019, Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals)	
85	<b>Textiles, leather, accessories, pigments, inks, printing auxiliaries and chemicals</b>	Determination of Disperse dyestuffs, other dyes and quinoline, navy blue component-1 and navy blue component-2 .	SOP-QM-11 BD 02 A2 003 (according to DIN 54231: 2022 , DIN EN ISO 4044:2017; STANDARD 201 by OEKO-TEX® M-4-A & ML-4-A as M-4-B & ML-4-B ; SOP-QM-11 BD 02 A7 058 (according to DIN 54231: 2022, Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals) Liquid extraction, analysis by LC-MSMS	LOD = 0.05 mg/l
86	<b>Textiles, leather and accessories</b>	Determination of content of chlorinated benzenes and toluenes	SOP-QM-11 BD 02 A3 001 (according to DIN EN 17137:2019; Solvent extraction DIN EN ISO 6468:1997; EN 17137-2018; DIN 54232:2010, mod;Standard 201 by OEKO-TEX® M-2 + ML-2)	LOD = 0.1 mg/kg
87	<b>Textiles, leather, accessories, dyes, pigments, inks, printing auxiliaries and chemicals</b>	Textiles - Method for the detection and determination of alkylphenols ( NP,OP,HP,PeP and alkylphenoethoxylates (APEO) - by HPLC-MS/MS (Modification: additional determination of alkylphenols)	SOP-QM-11 BD 02 A3 008 (according to DIN EN 18254-1:2016 and EN ISO 18218-1:2023; EN ISO 21084-2019; EN ISO 21084-2019; ASTM D7485-09 and ASTM D7742-11 Textiles, STANDARD 201 by OEKO-TEX® M-25 & ML-25. SOP-QM 11 BD 02 A7 055_ECOPASS LIGHT AP& APEO (According to DIN EN ISO 18254:2016, Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals)	LOD = 4 mg/kg
88	<b>Textiles, leather , accessories , dyes,</b>	Poly- and perfluorinated compounds (PFCs)	SOP-QM-11 BD 02 A3 007 (According to DIN 38414-14:2011; DIN EN ISO	0.002 – 0.4 mg/kg

  
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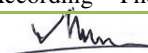
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
	pigments, inks, printing auxiliaries and chemicals		23702-1; EN ISO 23702-1:2018; CEN/TS 15968; EN 17681-1:2022 & 17681- 2:2022; EN 14582 ;2018, STANDARD 201 by OEKO-TEX® M-22 + ML-22) SOP-QM-11 BD 02 A7 056 (According to DIN 38414-14:2011, Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals)		
89	Textiles, leather , accessories , dyes, pigments, inks, printing auxiliaries and chemicals	Short chain and medium chain chlorinated paraffins (SCCP/MCCP)	SOP-QM 11 BD 02 A3 017(According to DIN EN ISO 18219&2:2021; ISO 22818-2021, STANDARD 201 by OEKO-TEX® M-24 + ML-24 and additional testing of medium chain chlorinated paraffins (MCCP); SOP-QM-11 BD 02 A7 060 (According to DIN EN ISO 18219:2021, Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals)		5 mg/kg - 50 mg/kg (each of SCCP and MCCP)
90	Textiles, leather and accessories	Dimethyl fumarate (DMFu)	SOP-QM-11 BD 02 A3 015 (According to DIN CEN ISO/TS 16186:2012; DIN EN 17130:2019, ISO 16186-2021; STANDARD 201 by OEKO TEX ® M 27 + ML 27)		0.02 – 0.2 mg/kg
91	Leather, accessories ,dyes, pigments, inks, printing auxiliaries and chemicals	Chemical determination of formaldehyde content	SOP-QM-11 BD 02 A5 016 (According to DIN EN ISO 17226-1: 2019, EN ISO17226-2:2019,EN ISO 17226-1;2021); SOP-QM-11 BD 02 A7 061(According to DIN EN ISO 17226-1: 2019, Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals)		5 – 250 mg/kg
92	Textiles and accessories	Migration of certain elements	SOP-QM-11 BD 02 A6 001 (According to DIN EN 71-3)		0.125 – 50 mg/kg other than Hg (0.0125 – 0.5 mg/kg (only Hg)
93	Textiles, leather	Determination of phenol,	SOP-QM-11 BD 02 A6 009; (According		Phenol:0.5–

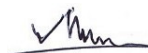
  
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	accessories	bisphenol A, B, S, F,AF.	to DIN EN 71-10 & 11, DIN EN ISO 14389:2013; DIN EN ISO 11936 & DIN EN ISO 13365 )	50mg/l; Bisphenol A,
94	Textiles, leather and accessories	Determination of flame retardants	SOP-QM-11 BD 02 A3 020 (according to DIN EN ISO 17881-2:2016; DIN EN ISO 17881-1,2016; EN ISO 17881-1&2;2016, STANDARD 201 by OEKO-TEX® M-30-B + ML-30-B)	0.01 mg/l – 0.25 mg/l
95	Leather,Textile and accessories	Determination of Chromium VI	SOP-QM 11 BD 02 A5 014 (according to DIN EN ISO 17075-1&2:2017 without thermal aging or with thermal aging according to ISO 10195:2018) SOP-QM 11 BD 02 A5 007 (according to DIN EN ISO 11083)	0.25 – 10.0 mg/kg
96	Textiles, leather and accessories, dyes, pigments, inks, printing auxiliaries and chemicals	Determination of volatile Organic Compounds (VOC)	SOP-QM-11 BD 02 A3 024&18 (according to VDA 278:2011; DINENISO11890-2; Headspace GC-MS (GC/MS headspace 45 minutes at 120 degrees C)DIN EN ISO 16189;EN 17131; STANDARD 201 by OEKO-TEX® M-31 & ML-31)	VOC's, Benzene-0.1-1 mg/kg; Xylol, Cresol, 2-Methoxyethanol, Ethylen-glycol-dimethylether – 2-20 mg/kg ; Other substances ; - 1-10 mg/kg
97	Textiles accessories and	Determination of N-nitrosamines, N-nitrosable substances and 2-Mercapto-benzothiazole	SOP-QM-11 BD 02 A3 029(according to DIN EN 71-12; EN 19577;2019, DIN EN ISO 13365-1;STANDARD 201 by OEKO-TEX® M-34 & ML-34)	0.05 – 1.00 mg/kg for nitrosamines and 0.07 – 1.30 mg/kg for N-nitrosable substances
98	Textiles accessories and	Determination of pesticides	SOP-QM-11 BD 02 A3 004 (according to STANDARD 201 by OEKO-TEX® M-6 A & ML-6-A)	0.25 mg/l – 2 mg/l
99	Textiles, leather, accessories and wastewater /Water	Determination of dimethylformamide (DMFa)	SOP-QM-11 BD 02 A3 016 (according to DIN CEN ISO/TS 16189:2013; EPA 8015, EPA 8270E ; EN 17131; EN ISO 19070, ISO 16189)	1 mg/l - 20.0 mg/l

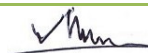
  
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
100	Textiles accessories and wastewater/Water	Determination of UV-stabilizers/ Absorbers	SOP-QM-11 BD 02 A3 019 (according to USEPA 8270 ISO 22032, USEPA 527 and USEPA 8321B.DIN EN 62321-6:2016-05		0.05 – 0.5 mg/l
101	Textiles, accessories, plastic and coating material	Identification of Polyvinyl Chloride (PVC) and Polyurethane (PU)	Polyvinyl chloride (PVC) (Beilstein) and SOP-QM-11 BD 02 A5 020 (FTIR)		Qualitative
102	Textiles, Leather and accessories	Solvent residues	SOP_QM 11 BD 02 A3 016 (according to DIN CEN ISO/TS 16189:2013)		0.1 mg/l – 20.0 mg/l
103	Leather accessories and	Process preservative agents	SOP-QM 11 BD 02 A3 022 (according to DIN EN ISO 13365-1:2011, pr EN ISO 13365:2019)		10 – 2000 mg/kg
104	Water / Wastewater	Temperature [°C]	SOP-QM-11 BD 02 A8 021 (According to DIN 38404-4:1976) USEPA 170.1 APHA-2550		1-80°C
105	Water / Wastewater	Determination of Total Organic Carbon (TOC)	SOP-QM-11 BD 02 A8 010 (USEPA 415.3; APHA 5310C; ISO 20236-2018; BS ISO 20236:2018)		30 mg/l - 300 mg/l
106	Water / Wastewater	TSS	SOP-QM-11 BD 02 A8 005 (According to USEPA -160.2 :1971, APHA/ SM 2540D(23rd Edition)		4-10000 mg/L LOD= 4 mg/L
107	Water / Wastewater	COD	USEPA 410.4 :1993, ISO 6060 :1989, APHA/SM 5220D (23rd Edition), USEPA 410.4 Validated Cuvette Method)		4- 20000 mg/L LOD= 4 mg/L
108	Water / Wastewater	Total Nitrogen	ISO 5663 :1984, USEPA 351.2 :1993, ISO 11905-1 :1998, SM 4500N-C (23rd Edition); BS EN ISO 11905-1:1998; DIN EN ISO 11905-1:1998		0.5 mg/l – 50 mg/l ; LOD: 1.0 mg/L
109	Water/Wastewater and sludge	pH & Conductivity	SOP-QM-11 BD 02 A8 020 (According to DIN EN ISO 10523:2012; USEPA-150.1 :1978		pH : 0-14 / Conductivity = 0.001µS/cm to

  
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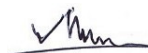
**Accreditation Standard:** ISO/IEC 17025:2017      **Accreditation Date:** 25 Oct 2018

**Certificate Number:** 01.053.18      **Issued on:** 06 Nov 2024

**Last Amended on:** NA      **Valid until:** 24 Oct 2027

**Amendment no:** NA

S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
			USEPA SW 9045D: 2004; SM 4500H; ISO 3696)		1000mS/cm
110	Water / Wastewater	Colour [m <sup>-1</sup> ] (436nm; 525; 620nm)	SOP-QM-11 BD 02 A8 022 (According to DIN EN ISO 7887:2012; ISO 7887 Method B) APHA/SM 2120B, USEPA 110.2		1-10 Colour [m <sup>-1</sup> ]
111	Water / Wastewater	BOD5	ISO 5815-1; APHA/SM 5210B;USEPA 405.1; ISO 5815-1,2		1 mg/l – 500 mg/l
112	Water / Wastewater	Ammonium-Nitrogen	ISO 11732 :2005, ISO 7150-1:1984, USEPA 350.1 :1993, APHA/SM 4500		0.01 - 100 mg/L LOD: 0.01 mg/L
113	Water / Wastewater/ Textile	AOX	SOP-QM-11 BD 02 A8 009 (According to ISO 9562:2004; BS EN ISO 9562;2004, USEPA 1650 ,ISO 17226-1)		0.05 mg/l – 3.00 mg/l ; LOD – 0.05 mg/l
114	Water / Wastewater	Oil and Grease	ISO 9377-2 :2000, USEPA 1664 revision B :2010, APHA/SM 5520B		0.5-1000 mg/L LOD: 0.5 mg/L
115	Water / Wastewater	Total Phenols/ Phenol Index	ISO 6439: 1990, APHA/SM 5530 B/C/D (23rd Edition)		0.001-10 mg/L LOD:0.001mg/L
116	Water / Wastewater	Sulfide	SOP-QM-11 BD 02 A8 011 (According to ISO 10530:1992, APHA/SM 4500-S2-D)		0.01-10.0 mg/L LOD:0.01 mg/L
117	Water / Wastewater	DO value	SOP-QM 11 BD 02 A8 028 (According to USEPA 360.1; APHA/SM 4500-O-G (23rd Edition 2017),		0- 20 mg/L
118	Water / Wastewater	TDS	SOP-QM 11 BD 02 A8 030 (According to USEPA 160.1 ,APHA/SM 2540C)		1-5000 mg/L LOD: 1 mg/L
119	Water / Wastewater	Total Chlorine	SOP-QM 11 BD 02 A8 027 (According to EN ISO 73932:2019; EPA 330.5: 1978, APHA 4500-CI B/G, 23 <sup>rd</sup> Edition 2017)		0- 0.7 mg/L

  
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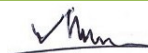


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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
120	Water / Wastewater	Anions (Chloride, Sulfate, Sulfite)	ISO-15923-1:2014-07, APHA/SM 4500-SO32-C 1,3: 1997, USEPA 377.1	USEPA-300; ISO 10304-	2.0 to 25.0 mg/L SO <sub>4</sub> <sup>2-</sup> and 0.1 to 25.0 mg/L; Sulfite; 0.1mg/l-5.0 mg/l
121	Water/Wastewater/ Sludge	Cyanide, Total	ISO 6703-1,2,3 -1984, USEPA 335.2 :1980, APHA/SM 4500-CN-E (23rd Edition) 1998, DIN 38405-13;2011, ASTM D2036-09D-2015, USEPA 9013 :2014, USEPA 9014 :2014		Wastewater: 0.01-5 mg/L LOD: 0.01 mg/L ; Sludge: 0.2-50 mg/kg LOD: 0.2 mg/kg
122	Water /Wastewater/Sludge ,dyes, pigments, inks, printing auxiliaries and chemicals	Determination of selected Heavy Metals (Sb,Cr,Co,Cu,Ni,Ag,Zn, As,Cd,Pb,Hg, Total Phosphorus,Boron, barium, Selenium , Sn and Cr(VI), in wastewater,sludge ,chemicals ( via ICP-MS)	ISO 17294-2:2017; ISO 15587-1:2002, EN 13346:2001; ISO 11885 :2007, ISO 6878:2004; ISO 18412 :2005, USEPA 200.8 :1994, USEPA 6010c:2000, USEPA 6020a :1998, USEPA3060A :1996, EN 14602-2012,DIN EN 14602:2012, USEPA 7196 :1992, USEPA 3050 :1996, USEPA 6010D :2018, US EPA 6020B :2014, US EPA 3051A :2007, USEPA1311:1992 ,EPA 200.7,USEPA200.8,USEPA 218.6, ISO 12846 WITH ICP-MS and UV/VIS analysis ; SOP-QM 11 BD 02 A7 059_ECOPASS LIGHT Total heavy metal content (according to DIN EN 16711-1:2016 and DIN EN ISO 17294-2:2024, Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals.)		0.05.0 µg/l - 200 µg/l; LOD: (Sb, Total Cr, Co, Ni, Ag, Zn, As, Cr(VI), Pb, Mn, Cu, phosphorus, Ba, Se, Sn)- 0.001mg/L (Cd)-0.0001mg/L (Hg)- 0.00002mg/L Sludge: 0.005-500 mg/Kg LOD: Total Cr, Co, Ni, Ag, Zn, Cr(VI), Mn, Cu, Ba, Sn)- 0.05 mg/Kg, (Cd, As, Pb, Se, Sb)- 0.005mg/Kg (Hg)- 0.001 mg/Kg
123	Water /Wastewater/Sludge	Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs)	SOP-QM-11 BD 02 A8 007 (According to DIN EN ISO 18857-2:2012, ISO 18254-1;2016)		0.5 – 1000.0 µg/l

  
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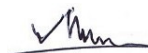


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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
124	Water/Wastewater/ Sludge; dyes, pigments, inks, printing auxiliaries and chemicals	Chlorobenzenes and Chlorotoluenes	SOP-QM-11 BD 02 A8 002 (According to DIN EN 17137:2019, USEPA 8260B & 8270D Dichloromethane extraction followed by GC-MS/MS Analysis ) ; SOP-QM-11 BD 02 A7 052 (According to DIN EN 17137:2019, Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals.)		0.01 – 1.0 µg/l ; MDL – 0.01 µg/l
125	Water/Wastewater/ Sludge; dyes, pigments, inks, printing auxiliaries and chemicals	Chlorophenols; Anti-Microbials & Biocides (o-Phenylphenol (+salts), Triclosan and Permethrin	SOP-QM-11 BD 02 A8 003 (According to BS EN 12673:1999; ); SOP-QM-11 BD 02 A7 051 (According to BS EN 12673:1999, ISO 14154:2005; USEPA 8270E, USEPA 8270 D Solvent extraction, derivatisation with KOH, acetic anhydride followed by GC-MS/MS .)		0.2 – 500 µg/L; MDL -0.2 µg/L
126	Water/Wastewater/ Sludge	Dyes – Azo (Forming Restricted Amines)	SOP-QM-11 BD 02 A8 017 (According to DIN EN ISO 14362-1:2017 and DIN EN ISO 14362-3:2017) Reduction step with sodium dithionite, solvent extraction EPA 8270		0.05 - 2.0 µg/l (HPLC-MS/MS); MDL-0.05 µg/l
127	Water/Wastewater/ Sludge	Dyes – Carcinogenic or Equivalent Concern Dyes–Disperse (Allergenic) and Navy Blue Colourant (Component 1: C <sub>39</sub> H <sub>23</sub> Cl-CrN <sub>7</sub> O <sub>12</sub> S <sub>2</sub> Na CAS No- 118685-33-9 and Component 2: LC-MS C <sub>46</sub> H-30CrN <sub>10</sub> O <sub>20</sub> S <sub>2</sub> 3Na) ; Determination of prohibited Quinoline	SOP-QM-11 BD 02 A8 007 (Liquid extraction analysis by LC-MS/MS; DIN 54231)		0.1 – 5.0 µg/l MDL-0.1 µg/l

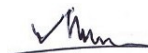
  
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
128	Water/Wastewater/ Sludge	Flame Retardants	SOP-QM-11 BD 02 A8 007 (According to DIN EN 16694: 2015; USEPA 8270E, ISO 22032, USEPA 527 and USEPA 8321B.Solvent extraction followed by GC-MS/MS analysis .		0.01 – 5.0 µg/l MDL-0.01 µg/l
129	Water/Wastewater/ Sludge	Glycols	SOP-QM-11 BD 02 A8 018 (According to USEPA 8270E, Solvent extraction followed by GC-MS/MS analysis)		6 µg/l – 120 µg/l; MDL-6 µg/l
130	Water/ Wastewater/Sludge	Organotin Compounds	SOP-QM-11 BD 02 A8 004 (According to DIN EN ISO 17353: 2005 and DIN EN ISO 23161:2011)		0.01 – 1000 µg/l ; MDL-0.01 µg/l; MDL- 1 µg/kg (Sludge)
131	Water/Wastewater	Perfluorinated and Polyfluorinated Chemicals (PFCs)- Perfluorooctane sulfonate (PFOS) and related Substances ; Perfluorooctanoic acid (PFOA) and related substances	SOP-QM-11 BD 02 A8 007 (According to EPA 537:2020; BS EN 12673-1999; EPA 8270) PFCs: LC-MSMS; FTOH: GC-MS/MS, solvent extraction & derivatization with acetic anhydride followed by GC-MS analysis .		0.01 – 0.1 µg/l MDL-0.001 µg/l
132	Water/Wastewater/ Sludge	Phthalates	SOP-QM-11 BD 02 A8 002 (DIN EN ISO 18856:2005 ; USEPA 8270E)solvent extraction followed by GC-MS/MS analysis .		1 – 200 µg/l
133	Water/Wastewater/ Sludge	Chlorinated Parafins - Short chain and medium chain chlorinated paraffins (SCCP/MCCP)	SOP-QM-11 BD 02 A8 023 (According to EPA 3510, USEPA 8270,USEPA 527, USEPA 8321B: ISO18219-2:2021 with GC-MS(NCI) .		1 – 50 µg/l MDL- 1 µg/l
134	Water/Wastewater/ Sludge	Polycyclic Aromatic Hydrocarbons (PAHs)	SOP-QM-11 BD 02 A8 002 (According to DIN 38407-39 (F 39; USEPA 8270E) solvent extraction followed by GC-MS/MS analysis .		0.01 – 1.0 µg/l
135	Water/Wastewater/ Sludge	Volatile Organic Compounds (VOC)(Carbon disulfide, CS <sub>2</sub> ) with Halogenated Solvents	SOP-QM-11 BD 02 A8 006 (According to ISO 11423-1 Headspace or Purge and trap GC-MS EPA 8270 BS EN 12673-1999; USEPA 8260B)		0.1µg/l – 120 µg/l MDL- 0.01 µg/l

  
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard methods/Techniques used	test	Range of testing/Limit of detection
136	Wastewater	Determination of 2-(2-Aminoethylamino)ethanol (AEEA) and Thiourea	SOP-QM-11 BD 02 A8 036 (Liquid extraction analysis by LC-MS/MS)		Thiourea:0.05–0.50 mg/l ; AEEA – 0.05 – 1 mg/l
137	Wastewater	Determination of Permethrin, Bisphenol A and Navy Blue.	SOP-QM-11 BD 02 A8 035		Permethrin: 1,0 mg/l – 100 mg/l Bisphenol-A: 10 µg/l – 2000 µg/l Navy Blue-1 mg/l – 50 mg/l
138	Textile and leather samples, chemicals and accessories.	Determination of the total fluorine (TF) content	SOP-QM-11 BD 02 A3 042		2 - 100 mg/l MDL 2 mg/L
139	Textiles and accessories	Quantitative determination of Glyphosate, AMPA and Glufosinate	SOP-QM-11 BD 02 A3 027 (according to DIN EN ISO 16308:2017-09)		20.0– 200.0 µg/l
140	Textiles, Leather and accessories	Determination of Azodicarbonamide	SOP-QM-11 BD 02 A3 028		1 mg/L – 100 mg/l,

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