



ACCREDITATION CERTIFICATE

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

Hohenstein Laboratories Bangladesh Limited, Dhaka

122/1 Love Road, Tejgaon Industrial Area

Dhaka-1208, 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 : 01.053.18
Accreditation Date : 25 October 2018
Date of Issuance : 06 November 2024 (2nd Renewal)
Date of Expiration : 24 October 2027



06.11.2024
Md. Anwarul Alam
Director General

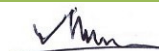
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SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address:	Hohenstein Laboratories Bangladesh Limited, Dhaka, 122/1 Love Road, Tejgaon Industrial Area, Dhaka-1208, Bangladesh.		
Accreditation Standard:	ISO/IEC 17025:2017	Accreditation Date:	25 Oct 2018
Certificate Number:	01.053.18	Issued on:	06 Nov 2024
Last Amended on:	04 June 2026	Valid until:	24 Oct 2027
Amendment no:	02		

S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
Field: Mechanical Testing				
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. AS 2001.4.E01-2001 (R2016)	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
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,	1 to 5 Grade



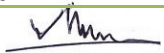
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10	Textiles, Garment & Accessories	Colour fastness to washing	AATCC TM 104-2014. DIN EN ISO 105 C06-2010, ISO 105 C06-2010, BS EN ISO 105 C06-2010, DIN EN ISO 105 C08-2010, ISO 105 C08-2010, BS EN ISO 105 C08-2010, DIN EN ISO 105 C09, ISO 105 C09:2001/Amd.1: 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. AS 2001.4.15-2006 (R2016)	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, Toys & Accessories	Colour fastness to artificial saliva and sweat	DIN 53160: 2023, STANDARD 100 by OEKO-TEX® BVL B 82.92-3 and BVL B 82.02-13	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 AATCC TM 188:2010e 3(2019)e AATCC TM 172:2010e (2016)e2	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

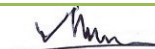

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			BS EN ISO 105-X10:1996	
16	Textiles, Garment & Accessories	Colour fastness to rubbing / Crocking	DIN EN ISO 105 X12-2016, ISO 105 X12-2016, EN ISO 105 X12-2016, BS EN ISO 105 X12-2016, AATCC TM 8-2022. AS 2001.4.3-1995 (R2016)	1 to 5 Grade
17	Textiles, 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 Assessment Difference	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 14419:2025	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 79-2025 DIN EN ISO 14697:2005 Annex B ASTM D4772-26	0 to 60 sec
26	Textiles, & Accessories	Test methods for accessories: Metallic accessories —Corrosion	DIN EN ISO 22775:2005 ISO 22775:2004	1 to 5 Grade



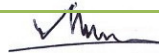
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		resistance.	EN ISO 22775:2004 BS EN ISO 22775:2004	
27	Textiles, Garment & Accessories	Determination of Moisture drying rate	ISO 17617:2014 AATCC TM 201-2012(2014) e3 DIN 53924:2020	1 Mins to 60 min
28	Textiles, Garment & Accessories	Determination of water absorption velocity of textile fabrics (capillary rise method)	AATCC TM 197-2022 ISO 20158: 2018 AATCC TM 213-2022	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 7211/2:2024 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 BS 5815 Part 2 Appendix C ISO 2061: 2015 GB/T 2543.1-2015 ASTM D1422 /D1422M-13(2020) ASTM D1423 /D1423M-16(2022)	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: 20(2025) Option-C ISO 3801- Method 5:1977 DIN EN 12127:1997	5 GSM-500 GSM Full range: GUL

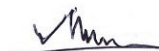

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			DIN EN ISO 14697:2005 Annex A AS 2001.2.13 Method 2.13 - 1987 (R2016)	
32	Textiles, Garment & Accessories	Fabric width	ISO 22198:2006 ASTM D 3774:2024 DIN EN 1773:1997	1 cm -300 cm
33	Textiles, Garment & Accessories	Pilling Resistance -Pilling Box 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- 26	1 to 5 Grade
34	Textiles, Garment & Accessories	Abrasion (Martindale) resistance	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,	-Up to 99999 rubs for breakdown -Up to 30% for weight loss - 1 to 5 Grade



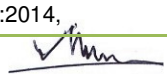
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			DIN EN ISO 12947-3:200,7 ISO 12947-3:1998/Cor. 1:2002, EN ISO 12947-3:1998, BS EN ISO 12947-3:1998, DIN EN ISO 12947-4:2007, ISO 12947-4:1998/Cor. 1:2002, EN ISO 12947-4:1998, BS EN ISO 12947-4:1998. DIN EN 13770:2002	
35	Textiles, Garment & Accessories	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- 2011 (Reapproved 2024) BS EN 12242	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 (R2025)	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,	1N to 5000 N 0-80% Up to 10mm

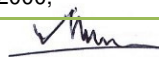

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			ISO 13935-2:2014, EN ISO 13935-2:2014, BS EN ISO 13935-2:2014, DIN EN ISO 13936-1:2004, ISO 13936-1:2004, EN ISO 13936-1:2004, BS EN ISO 13936-1:2004, DIN EN ISO 13936-2:2004, ISO 13936-2:2004, EN ISO 13936-2:2004, BS EN ISO 13936-2:2004, ASTM D1683/D1683M-2022. ASTM D7506/D7506M-17 (Reapproved 2025)	
39	Textiles, Garment & Accessories	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 1424-25, DIN EN ISO 13937-2:2000, ISO 13937-2:2000, EN ISO 13937-2:2000, BS EN ISO 13937-2:2000, ASTM D 2261-13 (Re. 2024), BS 4303-1968, ASTM D5587-2024, DIN EN ISO 13937-3:2000, ISO 13937-3:2000, EN ISO 13937-3:2000, BS EN ISO 13937-3:2000,	Elmendorf= 1N-128N Others= 1 N to 5000 N



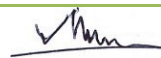
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			DIN EN ISO 13937-4:2000, ISO 13937-4:2000, EN ISO 13937-4:2000, BS EN ISO 13937-4:2000. AS 2001.2.8-2001 (R2016)	
40	Textiles, Garment & Accessories	Bursting strength -Pneumatic -Ball Burst	DIN EN ISO 13938-2:2020, ISO 13938-2:2019, EN ISO 13938-2:2019, BS EN ISO 13938-2:2019, ASTM D3786/D 3786M-2018, ASTM D3787-2016.	(1-2000) KPa 1N-5000N
41	Zipper & Toys	Slide fasteners (Zips)- Specification	ASTM D2061:07 (2021) 16 CFR 1500:53 DIN EN 16732:2025 EN 16732:2025 BS EN 16732:2025	(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 DIN EN ISO 20932-3: 2020-05 ASTM D4964:96 (2020) ASTM D3107: 07 (Re. 2019) ASTM D 2594:2021	1 to 200%
44	Textiles, Garment & Accessories	Resistance to surface wetting (Spray-test)	DIN EN ISO 4920:2012	ISO 1 to ISO 5 (0 to 100)


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			ISO 4920:2012 EN ISO 4920:2012 BS EN ISO 4920:2012 DIN EN 24920:1992 AATCC TM 22:2017	
		Torque Test,		
		Standard Consumer Safety Specification for Toy safety: ASTM F963 4.3.7, Stuffing Materials, ASTM F963 4.5, Sound Producing Toys, ASTM F963 4.8, Projections (except bath toy projections), ASTM F963 4.10, Wires or Rods, ASTM F963 4.11, Nails and Fasteners, ASTM F963 4.12, Plastic Film, ASTM F963 4.13, Folding Mechanisms and Hinges, ASTM F963 4.14, Cords, Straps, and Elastics, ASTM F963 4.15, Stability and Overload Requirements, ASTM F963 4.16, Confined Spaces ASTM F963 4.17, Wheels, Tires, and Axles, ASTM F963 4.19, Simulated Protective Devices (except labeling and/or instructional literature requirements), ASTM F963 4.20.1, Pacifiers with Rubber Nipples/Nitrosamine Test, ASTM F963 4.20.2, Toy Pacifiers ASTM F963 4.21, Projectile Toys ASTM F963 4.22, Teethers and Teething Toys	DIN EN 71 Part 1-Clause-8.3:2018, 16 CFR 1500.51/52/53, ASTM F963-23	Qualitative
45	Textiles, Garment, Accessories and Toys			



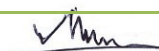
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		ASTM F963 4.24, Squeeze Toys ASTM F963 4.26, Toys Intended to Be Attached to a Crib or Playpen (except labeling and/or instructional literature requirements) ASTM F963 4.27, Stuffed and Beanbag-Type Toys ASTM F963 4.30, Toy Gun Marking ASTM F963 4.32, Certain Toys with Nearly Spherical Ends ASTM F963 4.35, Pompoms ASTM F963 4.36, Hemispheric-Shaped Objects ASTM F963 4.37, Yo-Yo Elastic Tether Toys ASTM F963 4.40, Expanding Materials ASTM F963 4.41, Toy Chests (except labeling and/or instructional literature requirements)		
46	Textiles, Garment & Toys	Attachment/Pull off strength of Snap/Button/Rivets	PD CEN/TR 16792:2014, ASTM F963-23, 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 AS / NZS ISO 8124:2022	1 N -600 N (0.1 Kg – 60 Kg)
47	Textiles, Garment &	Small Parts- Choking Hazard Test (Small part cylinder of	DIN EN 71 Part 1-Clause-8.2:2018,	Qualitative



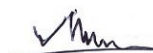
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	Toys products (Tensile Metal Glass, Plastic, Stone, Leather Accessories) in Garments, Metal Jewellery, other article intended to use for children	31.7 mm inner diameter, ASTM F963 4.6, Small Objects (except labelling and/or instructional literature requirements)	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 963:23, Sec. 4.6,	
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), ASTM F 963 4.9, Accessible Points (except labeling and/or instructional literature requirements)	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 963:23, Sec. 4.9	Qualitative
49	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 Edges Under a Force of up to 8.90 N (1.35 Pound), ASTM F 963 4.7, Accessible Edges (except labeling and/or instructional literature requirements)	DIN EN 71 Part 1-Clause-8.11:2018, EN 71 Part-1-Clause-8.11:2014+A1:2018 BS EN 71 Part-1-Clause-8.11:2014+A1:2018 16 CFR 1500.49, ASTM F 963:23, Sec. 4.7	Qualitative
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: 18(2024)	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	Elongation & shrinkage 0 to 50%



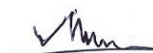
Quality Manager

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			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	
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
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-3.BDD.0170)	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,	Up to $\pm 50\%$



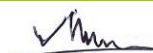
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			BS ISO 16322-2: 2021 ISO 16322-3:2021, BS ISO 16322-3: 2021 AATCC TM 179:2023 AATCC TM 207: 2019	
59	Textiles, Garment & Accessories	Bow & Skewness	ASTM D3882:08 (Reapproved 2025), BS 2819:1990+A2:2016 ISO 13015:2013	0 to \pm 50%
60	Textiles, Garment & Accessories	Durability Wash of garment/Print/Motif/Applique/ Embroidery	In-house method (SOP-3.BDD.0169)	Qualitative
61	Textiles, Garment & Accessories	Crease Recovery	AATCC TM 66-2017e2 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 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 (R2016) DIN 54221-1975 DIN 54204-1975 DIN 54209-1975	Up to 100 %



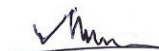
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64	Textiles, Garment & Accessories	Flammability of children's sleepwear (up to 14 years)	16 CFR Part 1615 / 1616 SOR/2016-169	1 to 10 Inch
65	Textiles, Garment & Accessories	Flammability of Apparels	CPSC 16 CFR Part 1610, ASTM D 1230-2025 CAN/CGSB No.27.5-2023 SOR/2016-194 GB/T 14644	0.1 Sec to 9999 Sec
66	Textiles, Garment & Accessories	Flammability of Textile Clothing & Nightwear	DIN EN 1103:2006, EN 1103:2005 BS EN 1103:2005 DIN EN 14878:2007 /AC:2009, EN 14878:2007 BS EN 14878:2007 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 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	0.1-3600 Sec



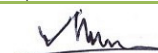
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67	Textiles, Garment & Accessories	Fiber Fineness/Thickness	DIN EN ISO 137:2016 ISO 137:2015 EN ISO 137:2015 BS EN ISO 137:2015 DIN 53811:1970 ISO 2589:2016 ISO 5084:1996 ASTM D 1813-13 (2017) ISO 17186:2011	≤ 1 dtex 0.01 mm -10 mm
68	Textiles, Garment & Accessories	Water column (Hydrostatic method)	DIN EN 20811 DIN EN ISO 811: 2018-08 AATCC 127 Option 2	1 to 2000 mbar
69	Textiles, Garment & Accessories	Air Permeability	DIN EN ISO 9237:1995 ASTM D737-2018	1 to 3000 mm/s
Field: Chemical Testing				
70	Paint and other surface coatings	Determination of Lead content by ICP-MS	SOP- 3.BDD.0015 (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
71	Metal children's products (including children's metal jewelry)	Determination of Lead content by ICP-MS	SOP- 3.BDD.0015 (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



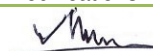
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72	Non-metal children's products	Determination of Lead content by ICP-MS	SOP- 3.BDD.0015 (according to DIN EN 16711-1:02-2016 and DIN EN ISO 17294-2:2024, CPSC-CH-E1002-08.3;2012; STANDARD 201 by OEKO-TEX® M-21 and ML-21)	LOD=5 mg/kg
73	Textiles, leather, Plastic, FCM, Toys, TPCH, RoHS, Packaging Materials and accessories	Determination of total heavy metal content with ICP-MS	SOP- 3.BDD.0015 (according to DIN EN 16711-1:02-2016 and DIN EN ISO 17294-2:2024, DIN EN ISO 17072-2:2022, EPA 3050 B, EPA 3051, IEC 62631-2023; EN 16711-1 STANDARD 201 by OEKO-TEX® M-21 and ML-21)	LOD=5 mg/kg
74	Plasticized component part of children's toy childcare article, leather accessories, dyes, pigments, inks, printing auxiliaries and chemicals, Plastic, FCM, Toys and accessories	Standard Operating Procedure for Determination of Phthalates and siloxane.	SOP- 3.BDD.0025 (according to CPSC-CH-C1001-09.4 (2018), CEN ISO/TS 16181, DIN EN ISO 15777; ISO 14389, DIN EN ISO 14389:2023; 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- 3.BDD.0074, (according to DIN EN ISO 14389:2023; Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals)	LOD=50 mg/kg
75	Metal products, Plastic, FCM, Toys and accessories	Determination of total lead and cadmium in metallic consumer products with ICP-MS	SOP- 3.BDD.0014 (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
76	Textile, leather and accessories, dyes, pigments, inks, printing auxiliaries and chemicals	Analysis of commodity goods - Methods for determination of certain aromatic amines in textiles & Leather derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with or without extraction]	SOP- 3.BDD.0021 (According to DIN EN 14362-1: 2017, DIN EN 14362-3;2017, DIN EN ISO 17234-1:2025 and DIN EN ISO 17234-2:2011; STANDARD 201 by OEKO-TEX® M-3, ML-3 and ECO PASSPORT by OEKO-TEX®) SOP- 3.BDD.0078 (According to DIN EN 14362-1: 2017, DIN EN 14362-3;2017; Modifications:	LOD=5 mg/kg



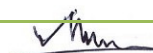
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77	Textile, leather and accessories, dyes, pigments, inks, printing auxiliaries and chemicals	Analysis of commodity goods - Methods for determination of certain azo colorants in textiles & Leather - Part 3: Detection of the use of certain azo colorants, which release 4-Aminoazobenzene	Determination in dyes, pigments, inks, printing auxiliaries and chemicals) SOP- 3.BDD.0021 (According to DIN EN 14362-1: 2017, DIN EN 14362-3;2017, DIN EN ISO 17234-1:2025 and DIN EN ISO 17234-2:2011; STANDARD 201 by OEKO-TEX® M-3, ML-3 and ECO PASSPORT by OEKO-TEX®) SOP- 3.BDD.0078 (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
78	Textile materials, textile products, Plastic, FCM, Toys, wood and accessories	Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method)	SOP- 3.BDD.0052 (according to JIS L 1041-2011 or Law 112 (Acetyl acetone method), DIN EN ISO 14184-1:2011), SASO 2142:2003, EN 645-1994; SASO 2143 (released):2003	LOD=10 mg/kg
79	Textile, leather and accessories	Determination of pH value in aqueous extract of textiles and leather.	SOP- 3.BDD.0055 (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
80	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- 3.BDD.0013 (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 ² /week
81	Metal materials	Screening tests for nickel release from alloys and coatings in items that come into direct and prolonged contact with the skin (Nickel	SOP- 3.BDD.0013 (According to CR 12471:2022)	Qualitative



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		Spot test)		
82	Textile, leather and accessories	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- 3.BDD.0016 (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
83	Textile, Polymer, toys, leather, accessories, dyes, pigments, inks, printing auxiliaries, chemicals, Plastic, FCM, and accessories	Determination of selected polycyclic aromatic hydrocarbons (PAHs) by means of gas chromatography	SOP- 3.BDD.0032 (according to DIN EN 17132: 2019, AfPS GS 2019:01, ISO 18287:2006; AfPS GS 2019-01; DIN EN ISO 4044:2017, EN ISO 16190:2022); SOP- 3.BDD.0071 (according to DIN EN 17132: 2019, Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals)	LOD (PAHs) = 0.1 mg/kg
84	Textile and accessories	Determination of selected chlorophenols and phenol	SOP- 3.BDD.0028 (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
85	Leather and accessories	Determination of tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol	SOP- 3.BDD.0041 (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
86	Textiles, Leather, accessories, dyes, pigments, inks, printing auxiliaries, Plastic, FCM, Toys and chemicals	Determination of Organotin compounds with Extraction Facilitated by Carbamate / GC-MS/MS analysis	SOP- 3.BDD.0031 (according to DIN EN ISO 22744-1&2:2020; DIN EN ISO 23161: 2011; CEN ISO/TS 16179:2012; DIN EN ISO 17353; CEN ISO/TS 16179-2012; STANDARD 201 by OEKO-TEX® M-17 + ML-17) SOP- 3.BDD.0075 (according to DIN EN ISO 23161: 2019, Modifications: Determination in dyes, pigments, inks, printing	LOD = 0.05mg/kg



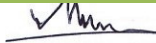
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			auxiliaries and chemicals)	
87	Textiles, leather, accessories, pigments, printing auxiliaries and chemicals	Determination of Disperse dyestuffs, other dyes and quinoline, navy blue component-1 and navy-blue component-2 .	SOP- 3.BDD.0023 (according 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- 3.BDD.0079 (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
88	Textiles, leather and accessories	Determination of content of chlorinated benzenes and toluenes	SOP- 3.BDD.0024 (according to DIN EN 17137:2025; Solvent extraction DIN EN ISO 6468:1997; EN 17137-2025; DIN 54232;2010, mod; Standard 201 by OEKO-TEX® M-2 + ML-2)	LOD = 0.1 mg/kg
89	Textiles, leather, accessories, dyes, pigments, inks, printing auxiliaries, chemicals, Plastic, and accessories	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- 3.BDD.0030 (according to DIN EN 18254-1:2016 and EN ISO 18218-1:2023; EN ISO 21084-2019; EN ISO 21084-2019; ASTM D7485-16 and ASTM D7742-17 Textiles, STANDARD 201 by OEKO-TEX® M-25 & ML-25. SOP-3.BDD.0066/ 3.BDD.0076_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
90	Textiles, leather, accessories, dyes, pigments, inks, Plastic, FCM, printing auxiliaries and chemicals	Poly- and perfluorinated compounds (PFCs) And determination of poly- and perfluorinated compounds (PFAS).s	SOP- 3.BDD.0029 & 3.BDD.0050 (According to DIN 38414-14:2011; DIN EN ISO 23702-1; EN ISO 23702-1:2023; CEN/TS 15968; EN 17681-1:2025 & 17681- 2:2022; EN 14582 ;2018, STANDARD 201 by OEKO-TEX® M-22 + ML-22) SOP- 3.BDD.0077 (According to DIN 38414-14:2011, Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals)	0.002 – 0.4 mg/kg
91	Textiles, leather,	Short chain and medium chain	SOP- 3.BDD.0036 (According to	5 mg/kg - 50

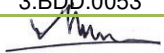

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	accessories , dyes, pigments, inks, printing auxiliaries, chemicals, Plastic, FCM, Toys and accessories	chlorinated paraffins (SCCP/MCCP)	DIN EN ISO 18219-1&2:2021; ISO 22818-2021, STANDARD 201 by OEKO-TEX® M-24 + ML-24 and additional testing of medium chain chlorinated paraffins (MCCP); SOP-3.BDD.0081 (According to DIN EN ISO 18219:2021, Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals)	mg/kg (each of SCCP and MCCP)
92	Textiles, leather and accessories	Dimethyl fumarate (DMFu)	SOP- 3.BDD.0034 (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
93	Leather, accessories, dyes, pigments, inks, printing auxiliaries and chemicals	Chemical determination of formaldehyde content	SOP- 3.BDD.0057 (According to DIN EN ISO 17226-1: 2021, EN ISO 17226-2:2019,EN ISO 17226-1:2021); SOP- 3.BDD.0082 (According to DIN EN ISO 17226-1: 2021, Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals)	5 – 250 mg/kg
94	Textiles, Toys and accessories	Migration of certain elements/ Toxic Elements [Al, Sb, As, Ba, B, Cd, chromium(III) & (VI), Co, Cu, Pb, Mn, Hg, Ni, Se, Sr, Sn, Zn]	SOP- 3.BDD.0061 (According to DIN EN 71-3), ISO 8124-3: 2023, ASTM F963 – 23: Sec. 4.3.5.1(2), Surface Coating Materials—Soluble Test for Metals Sec. 4.3.5.2, Toy Substrate Materials	0.125 – 50 mg/kg other than Hg (0.0125 – 0.5 mg/kg (only Hg)
95	Textiles, leather, Plastic, FCM, Toys and accessories	Determination of phenol, bisphenol A, B, S, F, AF.	SOP- 3.BDD.0062 (According to DIN EN 71-10 & 11, DIN EN ISO 14389:2023; DIN EN ISO 11936 & DIN EN ISO 13365)	Phenol: 0.5–50mg/l; Bisphenol A: 0.001–50mg/l;
96	Textiles, leather, Plastic, Toys and accessories	Determination of flame retardants	SOP- 3.BDD.0039 (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
97	Leather, Textile and accessories	Determination of Chromium VI	SOP- 3.BDD.0056 (according to DIN EN ISO 17075-1&2:2017 without thermal aging or with thermal aging according to ISO 10195:2018) SOP- 3.BDD.0053	0.25 – 10.0 mg/kg


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			(according to DIN EN ISO 11083:1994)	
98	Textiles, leather and accessories, dyes, pigments, inks, plastic, printing auxiliaries and chemicals	Determination of volatile Organic Compounds (VOC)	SOP- 3.BDD.0042 & 3.BDD.0037 (according to VDA 278:2011; DIN EN ISO 11890-2; 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
99	Textiles, accessories, Rubber matrix and FCM	Determination of N-nitrosamines, N-nitrosable substances and 2-Mercapto-benzothiazole/ Specific Migration of Nitrosamines analysis by LC-MS/MS	SOP- 3.BDD.0045 (according to DIN EN 71-12; EN 19577;2019, DIN EN ISO 13365-1; STANDARD 201 by OEKO-TEX® M-34 & ML-34) SOP- 3.BDD.0428	0.05 – 1.00 mg/kg for nitrosamines and 0.07 – 1.30 mg/kg for N-nitrosable substances FCM – 0.01- 0.1 mg/kg
100	Textiles accessories and	Determination of pesticides	SOP- 3.BDD.0027 (according to STANDARD 201 by OEKO-TEX® M-6 A & ML-6-A)	0.25 mg/l – 2 mg/l
101	Textiles, leather, accessories and wastewater /Water	Determination of dimethylformamide (DMFa)	SOP- 3.BDD.0035 (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
102	Textiles accessories and wastewater/Water	Determination of UV-stabilizers/ UV Absorbers	SOP- 3.BDD.0038 (according to USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B.DIN EN 62321-6:2016-05)	0.05 – 0.5 mg/l
103	Textiles, accessories, plastic and coating material	Identification of Polyvinyl Chloride (PVC) and Polyurethane (PU)	Polyvinyl chloride (PVC) (Beilstein) and SOP- 3.BDD.0059 (FTIR)	Qualitative
104	Textiles,Leather , FCM and accessories	Solvent residues	SOP_ 3.BDD.0035 (according to DIN CEN ISO/TS 16189:2013)	0.1 mg/l – 20.0 mg/l



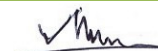
Quality Manager

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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
105	Leather, plastic and accessories	Process preservative agents	SOP- 3.BDD.0040 (according to DIN EN ISO 13365-1:2020, pr EN ISO 13365 -2:2020)	10 – 2000 mg/kg
106	Water / Wastewater	Temperature [°C]	SOP- 3.BDD.0103 (According to DIN 38404-4:1976) USEPA 170.1 APHA-2550	1-80°C
107	Water / Wastewater	Determination of Organic Carbon (TOC) Total	SOP- 3.BDD.0092 (USEPA 415.3; APHA 5310C; ISO 20236-2018; BS ISO 20236;2018)	30 mg/l - 300 mg/l
108	Water / Wastewater	TSS	SOP- 3.BDD.0087 (According to USEPA -160.2 :1971, APHA/ SM 2540D (23rd Edition)	4-10000 mg/L LOD= 4 mg/L
109	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
110	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
111	Water/Wastewater and sludge	pH & Conductivity	SOP- 3.BDD.0102 (According to DIN EN ISO 10523:2012; USEPA-150.1 :1978 USEPA SW 9045D: 2004; SM 4500H; ISO 3696)	pH : 0-14 / Conductivity = '0.001µS/cm to 1000mS/cm
112	Water / Wastewater	Colour [m ⁻¹] (436nm; 525; 620nm)	SOP- 3.BDD.0104 (According to DIN EN ISO 7887:2012; ISO 7887 Method B) APHA/SM 2120B, USEPA 110.2	1-10 Colour [m ⁻¹]
113	Water / Wastewater	BOD5	ISO 5815-1; APHA/SM 5210B; USEPA 405.1; ISO 5815-1,2	1 mg/l – 500 mg/l
114	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
115	Water / Wastewater/ Textile	AOX	SOP- 3.BDD.0091 (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
116	Water / Wastewater	Oil and Grease	ISO 9377-2 :2000, USEPA 1664 revision B :2010,	0.5-1000 mg/L LOD: 0.5 mg/L



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117	Water / Wastewater	Total Phenols/ Phenol Index	APHA/SM 5520B ISO 6439: 1990, APHA/SM 5530 B/C/D (23rd Edition)	0.001-10 mg/L LOD:0.001mg/L
118	Water / Wastewater	Sulfide	SOP- 3.BDD.0093 (According to ISO 10530:1992, APHA/SM 4500-S2-D)	0.01-10.0 mg/L LOD:0.01 mg/L
119	Water / Wastewater	DO value	SOP- 3.BDD.0110 (According to USEPA 360.1; APHA/SM 4500-O-G (23rd Edition 2017),	0- 20 mg/L
120	Water / Wastewater	TDS	SOP- 3.BDD.0112 (According to USEPA 160.1, APHA/SM 2540C)	1-5000 mg/L LOD: 1 mg/L
121	Water / Wastewater	Total Chlorine	SOP- 3.BDD.0109 (According to EN ISO 73932:2019; EPA 330.5: 1978, APHA 4500-Cl B/G, 23 rd Edition 2017)	0- 0.7 mg/L
122	Water / Wastewater	Anions (Chloride, Sulfate, Sulfite)	ISO 15923-1:2014-07, USEPA-300: APHA/SM 4500-SO32-C ; ISO 10304-1: 2007, ISO 10304-3: 1997, USEPA 377.1	2.0 to 25.0 mg/L SO ₄ ²⁻ and 0.1 to 25.0 mg/L; Sulfite; 0.1mg/l-5.0 mg/l
123	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-2022, 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
124	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)	SOP- 3.BDD.0070/ 3.BDD.0080_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

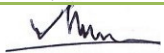
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			ISO 17294-2:2023(en); ISO 15587-1:2002, EN 13346:2001; ISO 11885 :2007, ISO 6878:2004; ISO 18412 :2005, USEPA 200.8 :1994, USEPA 6010c:2000, USEPA 6020a :1998, USEPA 3060A :1996, EN 14602-2012, DIN EN 14602:2012, USEPA 7196 :1992, USEPA 3050 :1996, USEPA 6010D :2018, US EPA 6020B :2014, US EPA 3051A :2007, USEPA1311:1992, USEPA 200.7, USEPA 200.8, USEPA 218.6, ISO 12846-2012 WITH ICP-MS and UV/VIS analysis.	(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
125	Water /Wastewater/Sludge	Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs)	SOP- 3.BDD.0089 (According to DIN EN ISO 18857-2:2012, ISO 18254-1;2016)	0.5 – 1000.0 µg/l
126	Water/Wastewater/Sludge; dyes, pigments, inks, printing auxiliaries and chemicals	Chlorobenzenes and Chlorotoluenes	SOP- 3.BDD.0084 (According to DIN EN 17137:2025, USEPA 8260B & 8270D Dichloromethane extraction followed by GC-MS/MS Analysis) ; SOP- 3.BDD.0073 (According to DIN EN 17137:2025, Modifications: Determination in dyes, pigments, inks, printing auxiliaries and chemicals.)	0.01 – 1.0 µg/l ; MDL – 0.01 µg/l
127	Water/Wastewater/Sludge; dyes, pigments, inks, printing auxiliaries and chemicals	Chlorophenols; Anti-Microbials & Biocides (o-Phenylphenol (+salts), Triclosan and Permethrin.	SOP- 3.BDD.0085 (According to BS EN 12673:1999;); SOP- 3.BDD.0072 (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
128	Water/Wastewater/Sludge	Dyes – Azo (Forming Restricted Amines)	SOP- 3.BDD.0099 (According to DIN EN ISO 14362-1:2017 and DIN EN ISO 14362-3:2017) Reduction step with sodium dithionite,	0.05 - 2.0 µg/l (HPLC-MS/MS); MDL-0.05 µg/l

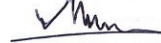

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			solvent extraction EPA 8270	
129	Water/Wastewater/Sludge	Dyes – Carcinogenic or Equivalent Concern Dyes– Disperse (Allergenic) and Navy Blue Colourant (Component 1: C39H23Cl-CrN7O12S 2Na CAS No- 118685-33-9 and Component 2: LC-MS C46H-30CrN10O20S2 3Na) ; Determination of prohibited Quinoline	SOP- 3.BDD.0089 (Liquid extraction analysis by LC-MS/MS; DIN 54231)	0.1 – 5.0 µg/l MDL-0.1 µg/l
130	Water/Wastewater/Sludge	Flame Retardants	SOP- 3.BDD.0089 (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
131	Water/Wastewater/Sludge	Glycols	SOP- 3.BDD.0100 (According to USEPA 8270E, Solvent extraction followed by GC-MS/MS analysis)	6 µg/l – 120 µg/l; MDL-6 µg/l
132	Water/Wastewater/Sludge	Organotin Compounds	SOP- 3.BDD.0086 (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)
133	Water/Wastewater	Perfluorinated and Polyfluorinated Chemicals (PFCs)- Perfluorooctane sulfonate (PFOS) and related Substances; Perfluorooctanoic acid (PFOA) and related substances	SOP- 3.BDD.0089 (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
134	Water/Wastewater/Sludge	Phthalates	SOP- 3.BDD.0084 (DIN EN ISO 18856:2005; USEPA 8270E) solvent extraction followed by GC-MS/MS analysis.	1 – 200 µg/l
135	Water/Wastewater/Sludge	Chlorinated Paraffins - Short chain and medium chain chlorinated paraffins (SCCP/MCCP)	SOP-3.BDD.0105 (According to EPA 3510, USEPA 8270, USEPA 527, USEPA 8321B: ISO18219-2:2021 with GC-MS(NC)) .	1 – 50 µg/l MDL- 1 µg/l
136	Water/Wastewater/Sludge	Polycyclic Aromatic	SOP- 3.BDD.0084 (According to DIN 38407-39 (F 39; USEPA	0.01 – 1.0 µg/l


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		Hydrocarbons (PAHs)	8270E) solvent extraction followed by GC-MS/MS analysis.	
137	Water/Wastewater/Sudge	Volatile Organic Compounds (VOC) (Carbon disulfide, CS ₂) with Halogenated Solvents	SOP- 3.BDD.0088 (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
138	Wastewater	Determination of 2-(2-Aminoethylamino) ethanol (AEEA) and Thiourea	SOP- 3.BDD.0115 (Liquid extraction analysis by LC-MS/MS)	Thiourea:0.05–0.50 mg/l ; AEEA – 0.05 – 1 mg/l
139	Wastewater	Determination of Permethrin, Bisphenol A and Navy Blue.	SOP- 3.BDD.0114	Permethrin:1,0 mg/l – 100 mg/l Bisphenol-A: 10 µg/l – 2000 µg/l Navy Blue-1 mg/l – 50 mg/l
140	Textile and leather samples, plastic, chemicals and accessories.	Determination of the total fluorine (TF) content analysis by CIC.	SOP- 3.BDD.0049 (according to DIN EN 17813 and ASTM D7359)	2 - 100 mg/l MDL 2 mg/L
141	Textiles and accessories	Quantitative determination of Glyphosate, AMPA and Glufosinate	SOP- 3.BDD.0360 (according to DIN EN ISO 16308:2017-09)	20.0– 200.0 µg/l
142	Textiles, Leather and accessories	Determination of Azodicarbonamide	SOP- 3.BDD.0044	1 mg/L – 100 mg/l,
143	Textiles, Leather, accessories, and Ecopass	Determination of Melamine	SOP- 3.BDD.0051, 3.BDD.0354 (According to DIN EN ISO 2418)	20 – 200 µg/l
144	Textiles, Leather, accessories	Determination of N-(hydroxymethyl) acrylamide	SOP- 3.BDD.0356	1.0 – 50.0 mg/L
145	Food contact Materials (Plastics, Polymers, Silicone, Packaging)	Overall Migration/Total soluble extractives	SOP-3.BDD.0416 (Based on Regulation (EU) No 10/2011, Commission regulation (EU) 2016/1416, Commission Regulation (EU) 2017/752, Commission Regulation (EU) 2020/1245 & its amendments, US FDA 21 CFR 177.1520 EN 1186 (Part 1-15): 2022)	2-100mg/dm ² 6-600mg/kg 10 mg/dm ²



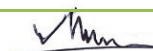
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146	Food contact Materials (Plastics, Polymers and allied materials)	Specific migration of heavy metals, metals analysis by ICP-MS	SOP- 3.BDD.0413/ 3.BDD.0427/ 3.BDD.0415 (Based on Regulation (EU) No 10/2011, Commission Regulation (EU) 2016/1416, Commission Regulation (EU) 2017/752, Commission Regulation (EU) 2020/1245 & its amendments EN 13130-1: 2004)	0.03-1.0 mg/kg
147	Food Contact Materiel – Plastics and Polymer and allied materials (Polyamide and melamine)	Specific migration of Primary Aromatic Amines (PAA)	SOP- 3.BDD.0417 (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, & its amendments. 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
148	FCM, Plastic, Toys, wood and accessories	Specific migration of Formaldehyde	SOP- 3.BDD.0426 (Based on Regulation (EU) No 10/2011 & its amendments. EN 13130 (Part 1& 23): 2004, , EN 13130 (Part 23): 2004)	1 -30 mg/kg
149	Food Contact Materiel – Plastics and Polymer and allied materials (Polyamide and melamine)	Specific Migration of Polycyclic aromatic hydrocarbons (PAH) analysis by GC-MS/MS	SOP- 3.BDD.0438 (Based on Regulation (EU) No 10/2011 & its amendments.)	10 ppb
150	Food contact materiel Polymer, Plastics, Rubber, silicone rubber, and acrylic/methacrylic	Volatile Organic Matter /Volatile Organic Components/ Extractable Components	SOP- 3.BDD.0421 SOP- 3.BDD.0037 19th Communication on the testing of plastics, Bundesgesundheitsblatt 14 (1971) 265.	2mg/dm ² -100 mg/dm ²
151	Food contact materiel Polymer –Plastics and Polymers and allied	Specific migration of Styrene analysis by GC-MS/MS	SOP- 3.BDD.0445, (Based on EN 13130 Part 1: 2004)	0.1 - 1 0 0 m g / k g



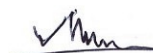
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152	Food contact material Polymer –Plastics and Polymers and allied materials	Specific Migration of Phthalates analysis by GC-MS/MS	SOP- 3.BDD.0414 (Based on Regulation (EU) No 10/2011 & its amendments). EN 13130 Part 1: 2004)	0.1-10 mg/Kg Foodstuff 0.01 ppm to 6 ppm
153	Food contact Materials (Plastics and Polymers and allied materials)	Specific migration of Melamine analysis by LC-MS/MS	3.BDD.0414/ 3.BDD.0422 (Based on GTP_Chem_CPS_25147B.2016 based on DIN EN 13130-1&27: 2004; Regulation (EU) No 10/2011 & its amendments	0.1 mg/kg-10 mg/kg
154	Food contact Materials (Plastics and Polymers and allied materials)	Specific migration from Plastic Bisphenol-A, Phenol analysis by LC-MS/MS	SOP-3.BDD.0414/3.BDD.0427 Regulation (EU) No 10/2011 & its amendments. (Based on EN 1186-1:2002, 1186-3:2002,1186-9:2002, BfR plastic recommendation part LI, DIN 53704:1988, DIN EN 13130-1&27:2004, DD CEN/TS 13130-13:2005 (EU) 10/2011)	0.1 mg/kg-10 mg/kg
155	Food contact Materials (Plastics and Polymers and allied materials)	Presence of Remaining Peroxides after Migration in Food Contact Articles/Peroxide Value	SOP- 3.BDD.0429 (58th Communication on the examination of plastics, Bundesgesundheitsblatt 40 (1997) 412)	Qualitative Present / Absent
156	Food contact Materials (Plastics and Polymers and allied materials)	Colorant Migration from food contact materials	SOP- 3.BDD.0437 GTP_Chem_CPS_25181B.2016 Recommendation IX. "Colorants for Plastics and other Polymers Used in Commodities	Qualitative Bleeding / non-bleeding
157	Food contact Materials (Plastics and Polymers and allied materials)	Lindane Content	SOP- 3.BDD.0443	0.01 mg/kg-10 mg/kg
158	Food contact Materials (Ceramic, Plastic and other applicable FCM materials)	Dishwasher Resistance/Dishwasher Safe Tests	EN 12875-1:2005	Qualitative Change / No visual change
159	Food contact Materials (Ceramic, Plastic)	Microwave Safe test	EN 15284:2007	Qualitative Change / No visual change



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160	Food contact Materials (Ceramic, Plastic)	Freezer Resistance/Refrigerator Safe Cooling time	SOP- 3.BDD.0444	Qualitative Change / No visual change
161	Food contact Materials (Nylon Polyamides, Polyurethanes (PU) / Thermoplastic polyurethanes (TPU))	Heat Capacity, Pouring Stability, Heat loss, Thermal Shock, Stopper Lackage, Seal Lackage Impact, Insulation Performance, Capacity Measurement, Handle Strength, Cleaning Seepage	With Reference to EN 12546-1 : 2000/AC-2005 EN 12546-2 :2000	Qualitative Change / No visual change
162	Food contact Materials (Nylon Polyamides, Polyurethanes (PU) / Thermoplastic polyurethanes (TPU))	Determination of density, melting point and extractable and soluble fraction for olefin polymers use as food contacting material/ Maximum soluble fraction in xylene/ Density at 23 degrees	SOP - 3.BDD.0436 (FDA Test as Per US FDA 21 CFR 177.1520)	0.85 - 1.00 %
163	Food contact materiel, Toys and chemicals	Specific migration of organotin (as Tin)	3.BDD.0456	LOD = 0.01mg/kg
164	Food contact materiel (All materiel other than Wood Paper)	Sensorial examination odour and taste	DIN 10955: 2024	Qualitative FCM: Odour- <3 Taste <3

END



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