



ACCREDITATION CERTIFICATE

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

UL VS Bangladesh Ltd.

The Pearl Trade Center (5th, 14th and 15th floor)

Cha-90/3, Progoti Sharani, North Badda, , Dhaka-1212, 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 : 01.030.15
Accreditation Date : 10 September 2015
Date of Issuance : 24 November 2024(3rd Renewal)
Date of Expiration : 09 September 2027



Md. Awarul Alam
Director General

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

SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address: UL VS Bangladesh Ltd.

The Pearl Trade Center (5th, 14th and 15th floor), Cha-90/3, Progoti Sharani
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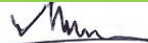
Issued on: 24 November 2024

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Valid until: 09 September 2027

Amendment no: NA

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				
1.	Textile & Textile products including accessories	Bursting Strength – Diaphragm	ITP 020 (Based on ASTM D 3786/D-2018, R2023) ITP 082 (Based on BS EN ISO13938-2:2019; ISO 13938-2:1999; DIN EN ISO 13938-2:2019)	10- Max. 800 Kpa
2.	Textile & Textile products including accessories	Abrasion Resistance	ITP 016 (Based on ISO 12947-1, 1999 /corr. 1:2002, DIN EN ISO 12947-1: 1999); ITP0 17(Based on ISO 12947-2, 2016; DIN EN ISO 12947-2:2017) ITP 018(Based on ISO 12947-3:1999; DIN EN ISO 12947-3:2007); ITP 019 (Based on ISO 12947-4:1998 cor.1. 2002, DIN EN ISO 12947-4:2007)	Thread Breakage: 1-2 weight loss 0-95% Color Change: 1-5
3.	Textile & Textile products including accessories	Seam - Seam Strength	ITP 055 (Based on ISO 13935-2:2014; DIN EN ISO 13935-2:2014; GB/T 13773.2-2008); ITP 053 (Based on ASTM D 1683-2022); ITP 054 (Based on ISO 13935-1:2014; DIN EN ISO 13935-1:2014; GB/T 13773.1-2008)	10- Max. 500N
4.	Textile & Textile products including accessories	Tearing strength	ITP 025 (Based on ASTM D 1424-2021); ITP 026 (Based on ISO 13937-1:2000, cor.1:2004; BS EN ISO 13937-1:2000; DIN EN ISO 13937-1:2000; GB/T 3917.1- 2009); ITP 027 (Based on ISO 13937-2:2000; DIN EN ISO 13937- 2:2000; GB/T 3917.2-2009); ITP 041 (Based on ISO 13937- 3:2000; DIN EN ISO 13937- 3:2000)	1- Max 64 N
5.	Textile & Textile products including accessories	Pilling Resistance	ITP 023 (Based on ISO 12945-1:2020, BS EN ISO 12945-1:2020; DIN EN ISO 12945-1:2020; GB/T 4802.3-2008) ; ITP 024 (Based on BS EN ISO12945-2:2020; ISO 12945-2:2020; DIN EN ISO 12945-2:2020, GB/T 4802.2-2008)	Assessment 1-5
6.	Textile & Textile products including accessories	Mass per unit Area of Fabric	ITP 021 (Based on ASTM D3776/ D 3776 M-09 a-2020); ITP 022 (Based on ISO 3801:1977); ITP 141(Based on BS EN 12127: 1998, EN 12127: 1998)	1 to 500gm


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7.	Textile & Textile products including accessories	Flammability of General Clothing Textiles	ITP 090 (Based on CPSC 16 CFR 1610, GB/T 14644-2014)	Class 1, 2, 3
8.	Textile & Textile products including accessories	Flammability of Apparel Textiles	ITP 089 (Based on ASTM D 1230-2022)	Class 1, 2, 3
9.	Textile & Textile products including accessories	Flammability or Burning Behavior for textile	ITP 118 (Based on EN ISO 6941); ITP 119 (Based on EN 14878); ITP 120 (Based on BSEN 1103); ITP 121 (Based on BS 5722); ITP 122 (Based on BSEN5438)	1-Max.100s.
10.	Textile & Textile products including accessories	Pilling Resistance	ITP 074 (Based on ASTM D 4970:2022)	Assessment 1-5
11.	Textile & Textile products including accessories	Tensile strength	ITP 039 (Based on ASTM D5034:2021); (ITP 040) Based on ASTM D5035:11(2019); ITP 028 (Based on ISO 13934-1:2013; DIN EN ISO 13934-1:2013; GB/T 3923.1-2013); ITP 029 (Based on ISO 13934-2:2014; DIN EN ISO 13934-2:2014; GB/T 3923.2-2013)	10- Max 5000N
12.	Textile & Textile products including accessories	Fabric Count	ITP 048 (Based on ASTM D3775:2017 R 2023); ITP 049 (Based on ASTM D3887:1996)	5-200
13.	Textile & Textile products including accessories	Seam Slippage	ITP 065, (Based on ISO 13936-1:2004; DIN EN ISO 13936-1:2004; GB/T 13772.1-2008); ITP 066 (Based on ISO 13936-2:2004; DIN EN ISO 13936-2:2004; GB/T 13772.2-2008); ITP 052 (Based on ASTM D434-1995)	0- Max. 6 mm
14.	Textile & Textile products including accessories	Skew & Bow	ITP 043 (Based on ASTM D3882:2020)	0-100%
15.	Textile & Textile products including accessories	Zipper Performance Strength	ITP 062 (Based on BS 3084:2006); ITP 142 (Based on EN16732)	10- Max. 5000 N
16.	Textile & Textile products including accessories	Sharp Edge Test	ITP 067 (Based on EN 71-1:2014+A1:2018, 2019); ITP 056 (Based on 16 CFR 1500.49)	N/A
17.	Textile & Textile products including accessories	Torque Test	ITP 069 (Based on EN 71-1:2014+A1:2018, 2019); ITP 063 (Based on 16 CFR 1500.53 (e))	1- Max. 4lbs

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18.	Textile & Textile products including accessories	Test for Stretch/Elastic Fabric	ITP 079 (Based on BS 4952:1992); ITP 078 (Based on BS EN 14704-1:2005; DIN EN 14704-1:2005); ITP 076 (Based on ASTM D 4964-96 (2016); ITP 134 (Based on EN ISO 20932-1); ITP-135 (Based on EN ISO 20932-4); ITP-145 (ASTM D 3107-07(2019)	0-100%
19.	Textile & Textile products including accessories	Attachment strength / Tension Test	ITP 068 (Based on EN 71-1:2014+A1:2018,2019); ITP 060 (Based on 16 CFR 1500:53 (F):2012); ITP-146 (Based on CEN/TR-16792)	10- Max. 90 N
20.	Textile & Textile products including accessories	Sharp Point Test	ITP 073 (Based on EN 71-1:2014+A1:2018,2019; 16 CFR 1500.48);	Yes / No
21.	Textile & Textile products including accessories	Small Parts Cylinder	ITP 070 (Based on EN 71-1:2014+A1:2018, 2019); ITP 061 (Based on 16 CFR 1501:2017)	Yes / No
22.	Textile & Textile products including accessories	Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Random Tumble Pilling Tester	ITP 083 (Based on ASTM D3512: 2022)	Assessment 1-5
23.	Textile & Textile products including accessories	Abrasion Resistance of Fabrics: Accelerator Method	ITP 101 (Based on AATCC 93:2019)	Thread breakage 1-2, weight loss 1-90%
24.	Textile & Textile products including accessories	Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure (Constant-Rate-of-Extension Tensile Testing Machine)	ITP 113 (Based on ASTM D 2261:2013 R 2024)	10- Max. 5000 N
25.	Textile & Textile products including accessories	Children Safety Test – Sharp Point	ITP-088 (Based on ASTM F 963-2023, clause 4.9)	Yes / No
26.	Textile & Textile products including accessories	Children Safety Test – Sharp edge test	ITP-088 (Based on ASTM F 963-2023, clause 4.7)	Yes / No
27.	Textile & Textile products including accessories	Children Safety Test – Small parts safety test; Toy Safety-Small objects	ITP-088 (Based on ASTM F 963-2023 clause 3.1)	Yes / No (visual observation)
28.	Textile & Textile products including accessories	Children Safety Test – Torque test	ITP-088 (Based on ASTM F 963-2023, clause 8.8)	1- Max. 4lbs
29.	Textile & Textile products including	Children Safety Test – Tension test; Toy Safety for	ITP-088 (Based on ASTM F 963-2023, clause 8.9)	1- Max. 90 N; 1-Max 15lbs


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	accessories	Pompom		(visual observation)
30.	Textile & Textile products including accessories	Strength Tests For zipper	ITP 111 (Based on ASTM D 2061:2007 R 2021)	10- Max. 5000 N
31.	Textile & Textile products including accessories	Stretch properties of knitted fabrics	ITP 098 (Based on ASTM D 2594:2021)	0-100%
32.	Textile & Textile products including accessories	Determination of Skew and Bow	ITP 100 (Based on ISO 13015:2013; BS EN ISO 13015:2013; DIN EN ISO 13015:2013)	0- 100%
33.	Textile & Textile products including accessories	Test method for Operability of Zipper	ITP 112 (Based on ASTM D 2062:2003 R 2021)	10- Max. 5000 N
34.	Textile & Textile products including accessories	Safety of Children's Clothing-Cords and drawstring on children's clothing; Safety of Children's clothing Guidance on the use of EN 14682: 2007 Cords and Drawstrings on children's clothing Specifications	ITP 109 (Based on BS EN 14682: 2014; CEN/TR 16446:2012)	Yes / No
35.	Textile & Textile products including accessories	Snagging (Mace)	ITP- 124 (Based on ASTM D3939/D3939M-2013 R 2017)	Assessment 1-5
36.	Textile & Textile products including accessories	Snagging	ITP -123 (BS 8479: 2008)	Assessment 1-5
37.	Textile & Textile products including accessories	Flammability of Children's Sleepwear	ITP 126 (16 CFR Parts 1616 and 1615)	0-Max 10 inch
38.	Textile & Textile products including accessories	Canadian Children's Sleepwear Flammability	ITP- 125 (Based on SOR/2016-169)	0-Max 10 inch
39.	Textile & Textile products including accessories	Safety of children's clothing - Security of attachment of buttons	ITP-136 (based on CEN/TS 17394-2-2020, EN 17394-2-2020) ITP-137(Based on CEN/TS 17394-3-2021, EN 17394-3)	1- Max. 1000 N
40.	Textile & Textile products including accessories	Safety of children's clothing - Security of attachment of components except buttons and metal mechanically applied press fasteners	ITP-138(Based on CEN/TS 17394-4-2021, EN 17394-4-2021)	Assessment 1-5

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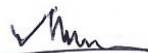
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41.	Textile & Textile products including accessories	Determination of the resistance to pilling	ITP-147 (Based on ISO 12945-3: 2020)	Assessment 1-5
42.	Textile & Textile products including accessories	Standard Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Elastomeric Pad	ITP-148 (Based on ASTM D 3514: 2020)	Assessment 1-5
43.	Textile & Textile products including accessories	Dimension specified is dissected and the number of threads counted.	ITP-149 (Based on ISO 7211-2: 2024)	1 to 500 ends/inch
44.	Textile & Textile products including accessories	The determination of linear density of yarn	ITP-150 (Based on ISO 7211-5: 2020)	1 to 200 Ne
45.	Textile & Textile products including accessories	General textile flammability & tight-fitting children sleepwear	ITP-151 (Based on ISO CAN/CGSB 4.2# 27.5)	Pass/Fail
Chemical Testing				
46.	Textile & Textile products including accessories	Fiber Content	ITP 093(Based on ISO 1833-12:2020, DIN EN ISO 1833-12:2020), ITP 094(Based on ISO 1833-11:2017, DIN EN ISO 1833-11:2017) ITP 096(Based on ISO 1833-7:2017; DIN EN ISO 1833-7:2017), ITP 102(Based on ISO 1833- 5:2006; DIN EN ISO 1833- 5:2011), ITP 110 (Based on ISO 1833-1:2020; DIN EN ISO 1833-1:2020, FZ/T01057.1-4:2007) ITP 095 (Based on AATCC 20A:2021 E 2023) ITP 092 (Based on ISO 1833-4:2023; DIN EN ISO 1833-4:2023) (ITP 104 (Based on BS 4407:1988) ITP 117 (Based on ISO 1833-6:2018; DIN EN ISO 1833-6:2011) ITP 105 (Based on BS 4407:1988) ITP 106 (Based on BS 4407:1988) ITP 107 (Based on BS 4407:1988)	0-100%
47.	Textile & Textile products including accessories	Colorfastness to Washing	ITP 003 (Based on AATCC 61 No. 1A-5A-2020 E2023) ITP 004 (Based on BS EN ISO 105 C06: 2010; DIN EN ISO 105 C06:2010; ISO 105 C06:2010)	Color Change 1-5 Color Staining 1-5


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48.	Textile & Textile products including accessories	Colorfastness to Water	ITP 015 (Based on ISO 105 E01:2013; DIN EN ISO 105 E01:2013, BS EN ISO 105 E01, EN ISO E01:2013 & GB T/5713-2013) ITP 014 (Based on AATCC 107-2013)	Color Change 1-5 Color Staining 1-5
49.	Textile & Textile products including accessories	Colorfastness to Perspiration	ITP 011 (Based on ISO 105 E04-2013; DIN EN ISO 105-E04:2013, BS EN ISO 105-E04, AS.2001.4 GB/T 3922-2013) ITP 010 (Based on AATCC 15-2013)	Color Change 1-5 Color Staining 1-5
50.	Textile & Textile products including accessories	Appearance/Dimensional stability to washing	ITP 035 (Based on AATCC 135-2018) ITP 036 (Based on AATCC 150-2018)	Assessment 1-5
51.	Textile & Textile products including accessories	Dimensional Stability to washing	ITP 030 (Based on ISO 6330:2021/ISO3759:2011/ISO 5077:2007; DIN EN ISO 6330:2012/ DIN EN ISO3759:2011/ DIN EN ISO 5077:2008; GB/T 8628-2013/ GB/T 8629-2001/ GB/T 8630-2013)	0-100% of Shrinkage & 0-100% Elongation
52.	Textile & Textile products including accessories	Colorfastness to Washing	ITP 005 (Based on ISO 105 C08:2010; DIN EN ISO 105 C08:2010)	Color Change 1-5 Color Staining 1-5
53.	Textile & Textile products including accessories	Colorfastness to Dry cleaning	ITP 008 (Based on AATCC 132:2013) ITP 009 (Based on ISO 105 D01:2010; DIN EN ISO 105 D01:2010; GB/T 5711-2015)	Color Change 1-5 Color Staining 1-5 Thread Breakage, weight loss
54.	Textile & Textile products including accessories	Colorfastness to Sea water	ITP 012 (Based on AATCC 106:2013) ITP 013 (Based on ISO 105 E02:2013; DIN EN ISO 105 E02:2013)	Color Change 1-5 Color Staining 1-5
55.	Textile & Textile products including accessories	Appearance after Washing	ITP 032 (Based on ISO 7768:2009) ITP 031 (Based on ISO 7769:2009) ITP 033 (Based on ISO 7770:2009) ITP 072 (Based on AATCC 124:2018) ITP 077 (Based on AATCC 143:2018) ITP 037 (Based on AATCC 88B:2018) ITP 038 (Based on AATCC 88C:2018)	Assessment 1-5
56.	Textile & Textile products including accessories	Spirality / skewing of Fabric and Garments	ITP 058 (Based on ISO 16322-2:2021) ITP 059 (Based on ISO 16322-3:2021) ITP 034 (AATCC 179:2019)	0-100%

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57.	Textile & Textile products including accessories	Colorfastness to hypochlorite bleaching	ITP 046 (Based on ISO 105 N01:1993; DIN EN ISO 105 N01:1995)	Assessment 1-5
58.	Textile & Textile products including accessories	Colorfastness to Chlorinated Water (swimming pool water)	ITP 044 (Based on ISO 105 E03:2010; DIN EN ISO 105 E03:2010)	Assessment 1-5
59.	Textile & Textile products including accessories	Color Fastness to Water Spotting	ITP 047 (Based on AATCC 104:2010(R 2014))	Assessment 1-5
60.	Textile & Textile products including accessories	Color Fastness to Dye Transfer in Storage	ITP 045 (Based on AATCC 163:2020)	Assessment 1-5
61.	Textile & Textile products including accessories	Qualitative test for detection of PVC (Poly Vinyl Chloride)	ITP 071 (Based on Beilstein Method) Reference: Mark & Spencer C 64)	NA
62.	Textile & Textile products including accessories	Assessment of the potential to phenolic yellowing materials	ITP 091 (Based on BS EN ISO 105-X18:2007; DIN EN ISO 105-X18:2007; ISO 105-X18:2007)	Assessment 1-5
63.	Textile & Textile products including accessories	Colorfastness to light of textiles wetted with artificial perspiration	ITP 085 (Based on BS EN ISO 105 B07:2009; DIN EN ISO 105 B07:2009; ISO 105 B07:2009; GB/T14576-2009)	Assessment 1-5
64.	Textile & Textile products including accessories	Colorfastness to Perspiration and Light	ITP 087 (Based on AATCC TM 125:2020)	Assessment 1-5
65.	Textile & Textile products including accessories	Colorfastness to artificial light: Xenon arc fading lamp test	ITP 084 (Based on ISO 105-B02:2014; DIN EN ISO 105-B02:2014; ISO 105-B02:2013, GB/T 8427-2008)	Assessment 1-5
66.	Textile & Textile products including accessories	Colorfastness to light – Xenon-Arc	ITP 086 (Based on AATCC 16.3-2020)	Assessment 1-5
67.	Textile & Textile products including accessories	Determination of Resistance to Surface Wetting (Spray Test)	ITP 080 (Based on ISO 4920:2012; DIN EN ISO 4920:2012)	Assessment 1-5
68.	Textile & Textile products including accessories	Water Repellency: Spray Test	ITP 081 (Based on AATCC 22:2017)	Assessment 1-5
69.	Textile & Textile products including accessories	Colorfastness to water: Chlorinated Pool	ITP 099 (Based on AATCC 162:2011)	Assessment 1-5
70.	Textile & Textile products including accessories	Fiber Analysis: Qualitative	ITP 108 (Based on AATCC 20:2021)	NA
71.	Textile & Textile	Colorfastness to Saliva	ITP 097 (Based on GB/T	Assessment 1-5


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	products including accessories		18886:2019)	
72.	Textile & Textile products including accessories	Odour Assessment	ITP 114 (Based on GB/T 18401:2010 (Clause No. 6.7)	Positive/negative
73.	Textile & Textile products including accessories	Colorfastness to Saliva - Part 1: Test with artificial saliva	ITP 051 (Based on DIN 53160-2023)	Assessment 1-5
74.	Textile & Textile products including accessories	Colorfastness - Part 2: Test with artificial sweat	ITP 115 (Based on-DIN 53160-2023)	Assessment 1-5
75.	Textile & Textile products including accessories	Colorfastness to Crocking / Rubbing	ITP 006 (Based on AATCC 8: 2016) ITP 007 (Based on ISO 105 X12:2016, BS EN ISO 105 X8, EN ISO 105 X12) GB/T 3920-2008) ITP 132(based on AATCC 116: 2016) ITP 133(based on BS EN ISO 105x16, ISO 105 x16)	Assessment 1-5
76.	Textile & Textile products including accessories	Colorfastness to Ozone	ITP 130 (Based on ISO 105 G03) ITP 131 (Based on AATCC 109: 2011(2016 e)	Assessment 1-5
77.	Textile & Textile products including accessories	Soil Release	ITP 129 (Based on AATCC 130: 2018t)	Assessment 1-5
78.	Textile & Textile products including accessories	Colorfastness to Hot Pressing	ITP 139(Based on AATCC TM 133) ITP-143 (Based on ISO 105 x11: 1994, BS EN ISO 105 X11: 1994) ITP- 144 (Based on ISO 105 P01: 1993, BS EN ISO P01: 1995)	Assessment 1-5
79.	Textile & Textile products including accessories	Determination of resistance to water penetration - Hydrostatic pressure test	ITP 140 (Based on ISO 811, EN ISO 811, ISO 20811)	10- Max. 1000 KPa
80.	Textile, Textile products & accessories, leather & Leather product	pH Value	SOP AL-SL-003-001 (Based on ISO 3071:2020; EN ISO 3071:2020; DIN EN ISO 3071:2020; BS EN ISO 3071:2020, GB/T 7573-2009) SOP AL-SL-003-002 (Based on ISO 4045:2018, EN ISO 4045: 2018; DIN EN ISO 4045: 2018 & BS EN ISO 4045: 2018) SOP AL-SL-003-003 (Based on AATCC 81-2016) SOP EL-SL-001-001 (Based on USEPA 150.1; SM 4500H)	0-14;0.1

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Hazardous and Restricted Chemical Testing				
81.	Textile, Textile products & accessories, leather & Leather product	pH Value	SOP AL-SL-003-001 (Based on ISO 3071:2020; EN ISO 3071:2020; DIN EN ISO 3071:2020; BS EN ISO 3071:2020, GB/T 7573-2009) SOP AL-SL-003-002 (Based on ISO 4045:2018, EN ISO 4045: 2018; DIN EN ISO 4045: 2018 & BS EN ISO 4045: 2018) SOP AL-SL-003-003 (Based on AATCC 81-2016)	0-14;0.1
82.	Textile, Textile products & accessories, Paint & raw chemical, Sludge	Formaldehyde	SOP AL-SL-002-001 (Based on ISO 14184-1:2011, GB/T 2912.1:2009, DIN EN ISO 14184-1 - 2011 & BS EN ISO 14184-1: 2011)	5 mg/kg-1500mg/kg; 5mg/kg
83.	Leather & leather product	Formaldehyde	SOP-AL-SL:002-002 (Based on ISO 17226-2:2018, DIN EN ISO 17226-2:2018, BS EN ISO 17226-2:2018; GBT 19941-2005)	5-1500mg/kg; 5mg/kg
84.	Leather & leather product, Paint & Raw Chemical	Formaldehyde	SOP-AL-SL:002-006 (Based on ISO 17226-1:2021, DIN EN ISO 17226-1:2021, BS EN ISO 17226-1:2021)	5-1500mg/kg; 5mg/kg
85.	Textile, Textile products & accessories, Paint & raw chemical, Sludge	Formaldehyde	SOP-AL-SL:002-003 (Based on JIS L1041: 2011 PART A & B 3.1)	5-1500mg/kg; 5mg/kg; 0.02 abs
86.	Textile, Textile products & accessories	Formaldehyde	SOP-AL-SL:002-004 (Based on EN ISO 14184-2:2011 and AATCC 112: 2014 and EN 717-3:1996)	5-1500mg/kg; 5mg/kg
87.	Textile, Textile products & accessories,	Formaldehyde (spot test)	SOP-AL-SL:002-005 (Based on AATCC 94 :2017)	Positive/negative
88.	Textile, Textile products & accessories, leather & Leather product Paint & Raw Chemical, Sludge, Food Contact Materials and Electronic &	Brominated and Phosphorus Flame Retardants	SOP-AL-SL:031-001 and SOP-AL-SL:032-001 (Based on ISO 17881-1:2016 and ISO 17881-2:2016; EC 62321-6:2015)	0.5-1500mg/kg; 0.5mg/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
	electrical products			
89.	Textile, Textile products & accessories, leather & Leather product, Paint & Raw Chemical, Sludge	Azo Dye Analysis 4-aminobiphenyl (CAS No.: 92-67-1) Benzidine (CAS No.: 92-87-5) 4-chloro-o-toluidine (CAS No.: 95-69-2), 2-naphthylamine (CAS No.: 91-59-8) o-aminoazotoluene (CAS No.: 97-56-3) 5-nitro-o-toluidine (CAS No.: 99-55-8) p-chloroaniline (CAS No.: 106-47-8) 2,4-diaminoanisole (CAS No.: 615-05-4), 4,4-methylenedianiline (CAS No.: 101-77-9) 3,3'-dichlorobenzidine (CAS No.: 91-94-1) 3,3'-dimethoxybenzidine (CAS No.: 119-90-4) 3,3'-dimethylbenzidine (CAS No.: 119-93-7) 4,4'-methylenedi-o-toluidine (CAS No.: 838-88-0) p-cresidine (CAS No.: 120-71-8) 2,2'-dichloro-4,4'-methylene-dianiline (CAS No.: 101-14-4) 4,4'-oxydianiline (CAS No.: 101-80-4) 4,4'-thiodianiline (CAS No.: 139-65-1) 2,4-toluylenediamine (CAS No.: 95-80-7) o-toluidine (CAS No.: 95-53-4) 2,4,5-trimethylaniline (CAS No.: 137-17-7) o-Anisidine (CAS No.: 90-04-0) 2,4-Xylidine (CAS No.: 95-68-1)	SOP AL-SL-001-001 (Based on ISO 14362-1:2017, BS EN ISO 14362-1:2017, DIN EN ISO 14362-1:2017, § 64 LFGB, BVL B 82.02-2:2017-12 & § 64 LFGB, BVL B 82.02-4:2019-02) SOP AL-SL-001-002 (Based on ISO 14362-3:2017, BS EN 14362-3:2017, DIN EN ISO 14362-3:2017, GB/T 23344:2009, § 64 LFGB, BVL B 82.02-15:2017-12) SOP-AL-SL:001-003 (Based on ISO17234-1:2020; BS EN 17234-1:2020, GB/T 19942:2019, § 64 LFGB, BVL B 82.02-3:2021-04) SOP-AL-SL:001-004 (Base on BS EN ISO 17234-2:2011, ISO17234-2:2011; DIN EN ISO 17234-2:2011, § 64 LFGB, BVL B 82.02-9:2014) SOP-AL-SL:001-005 (Based on GB/T 17592-2011)	4 mg/kg-5000mg/kg; 4mg/kg

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		2,6-Xylidine (CAS No.: 87-62-7) 4-Aminoazobenzene (CAS No.: 60-09-3) 4-Chloro-o-toluidinium chloride (3165-93-3) 2-Naphthylammoniumacetate (553-00-4) 2,4-Diaminoanisole sulphate (39156-41-7) 2,4,5-trimethylaniline hydrochloride (21436-97-5)		
90.	Textile, Textile products & accessories, leather & Leather product, Paint & Raw Chemical, Sludge	Organotin Monobutyltin, Dibutyltin, Tributyltin, Fentin-chloride or triphenyl tin, Tetrabutyltin, Monooctyltin, Di-n-octyltin, Tricyclohexyltin, Methyltin, Dipropyltin, Diphenyltin, Tri-propyltin, Tri-octyltin, Di-n-octyltin, Trimethyltin, Dimethyltin,	SOP AL-SL-019-001 (Based on BS EN ISO 17353:2005 & DIN 38407-13:2001, ISO TS 16179:2012)	0.03mg/kg-1000mg/kg; 0.03 mg/kg
91.	Leather & Leather products	Chromium (VI) Cr (VI)	SOP AL-SL-008-001 (Based on ISO 17075-1:2017, BS EN ISO 17075-1:2017; DIN EN ISO 17075-1:2017; GB/T 17593.3—2006; CEN/TS 14495:2003; ISO 10195:2018; BS ISO 10195:2018; DIN EN ISO 10195:2021; UNE-EN ISO 10195:2022)	1-100 mg/kg; 1mg/kg
92.	Textile & leather product accessories	Nickel (spot test) as Ni release for coated and non-coated metal items	SOP AL-SL-010-001 (Based on ISO/TR 12471:2004; PD CR 12471: 2002; BS PD CR 12471: 2002; prEN 12471:2002; DIN EN 12471:1996; CEN/TR 12471:2022; PD CEN/TR 12471:2022; BS PD CEN/TR	N/A

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			12471:2022; PD ISO/TR 12471:2004; DIN CEN/TR 12471:2023-10)	
93.	Textile & leather product accessories	Nickel (Ni) Release for coated and non-coated metal items	SOP-AL-SL: 010-002 (Based on EN 1811:2011+A1:2015; BS EN 1811: 2011+A1:2015; DIN EN 1811:2015; EN 12472: 2020; BS EN 12472: 2020; DIN EN 12472:2020; EN 1811:2023; BS EN 1811: 2023; DIN EN 1811:2023)	0.04-50 µg/cm2/week; 0.04 µg/cm2/week
94.	Textile & leather product accessories,	Lead, Pb & Cadmium, Cd for Metal	SOP AL-SL-013-001 (Based on CPSC-CH-E1001-08.3:2012; EN 16711-1:2015; BS EN 16711-1:2015; DIN EN 16711-1:2016; US Public Law 110-314)	0.5-200000 mg/kg; 0.5 mg/kg
95.	Textile, Textile Products & Accessories, Leather & Leather Product	Lead, Pb & Cadmium, Cd for Non- Metal	SOP AL-SL-013-002 (Based on CPSC-CH-E1002-08.3:2012; USEPA 3015A; USEPA 3051A; USEPA 3052, US Public Law 110-314; EN 16711-1:2015; BS EN 16711-1:2015; DIN EN 16711-1:2016; GB/T 30157:2013; EN 14602:2012; BS EN 14602:2012; DIN EN 14602: 2012) SOP AL-SL-014-001 (Based on EN 1122:2001; BS EN 1122:2001; DIN EN 1122:2002)	0.5-200000 mg/kg; 0.5mg/kg
96.	Textile, Textile products & accessories, leather & Leather product, Paint	Lead, Pb & Cadmium, Cd for Paint & surface coating	SOP AL-SL-013-003 (Based on CPSC-CH-E1003-09.1:2011; 16 CFR 1303, US Public Law 110-314, ASTM E1645; ASTM E1613; ASTM F963-96a-sec.4.3.5; ASTM F963-03-sec 4.3.5; ASTM F963-07-sec 4.3.5; ASTM F963-2023; GB/T 30157: 2013; EN 16711-1:2015; BS EN 16711-1:2015; DIN EN 16711-1:2016)	0.5-200000 mg/kg; 0.5 mg/kg


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97.	Textile, Textile products & accessories, leather & Leather product, Paint, Raw Chemical, Sludge, Soil, Plastic and Packaging Materials, Electronic & Electrical Products	Total Heavy Metal- Mercury (Hg) Arsenic (As) Cadmium (Cd) Lead (Pb) Nickel (Ni) Silver (Ag) Cobalt (Co) Copper (Cu) Zinc (Zn) Antimony (Sb) Boron (B) Tin (Sn) Barium (Ba) Aluminum (Al) Chromium (Cr) Selenium (Se) Manganese (Mn) Strontium (Sr) Iron (Fe) Titanium (Ti), Platinum (Pt), Molybdenum (Mo)	SOP AL-SL-015-001 (Based on USEPA 3015A; USEPA 3051A; US EPA 3052; EN 14602:2012; BS EN 14602:2012; DIN EN 14602: 2012, In-House method; USEPA 200.7; USEPA 200.8; USEPA 6010C, USEPA 6010D, USEPA 1311; ISO 17294-2:2023; EN ISO 17294-2:2016; EN ISO 17294-2:2016; BS EN ISO 17294-2:2016, Canada C30, Cr-Vi with reference to USEPA 3060A, USEPA 7196A, ISO 18412) SOP AL-SL-015-002 (Based on EN 16711-1:2015; BS EN 16711-1:2015; DIN EN 16711-1:2016; EN 16711-3:2019; BS EN 16711-3:2019; DIN EN 16711-3:2019; GB/T 30157:2013; ISO 17072-2:2022; EN ISO 17072-2:2022; BS EN ISO 17072-2:2022; DIN EN ISO 17072-2:2022; ISO 17294-2:2023; ISO 17294-2:2016; EN ISO 17294-2:2016; BS EN ISO 17294-2:2016; CPSC-CH-E1001-08.3: 2012; CPSC-CH-E1002-08.3:2012; CPSC-CH-E1003-09.1: 2011; IEC 62321-5:201; IEC62321-:2013+A1:2017; IEC 62321-7-1:2015, IEC 62321-7-2:2017 & ISO17075-1:2017)	Hg: 0.5-100mg/kg; As, Cd, Pb, Ni, Sn, Mo, Cr, Ag, Mo:1-5000mg/kg; Cu, Co, Zn, Sb, B, Sn, Ba, Al, Se, Mn, Sr, Fe, Ti, Pt: 5-200000 mg/kg and Cr-VI: 0.5-100mg/kg; 0.5 mg/kg
98.	Textile, Textile products & accessories, leather & Leather product, board, Wood, Wool and Paper, Paint & Raw Chemical, Sludge	Chlorinated Phenol & o-phenyl phenol (OPP) Pentachlorophenol (PCP) 2,3,4,5-Tetrachlorophenol (2,3,4,5-TeCP) 2,3,4,6-Tetrachlorophenol (2,3,4,6-TeCP) 2,3,5,6-Tetrachlorophenol (2,3,5,6-TeCP) 2,4,6-Trichlorophenol (2,4,6-TCP) 2,3,5-Trichlorophenol (2,3,5-TCP) 2,3,6-Trichlorophenol (2,3,6-	SOP AL-SL-006-001 (Based on ISO 17070:2015, BS EN ISO 17070:2015, DIN EN ISO 17070:2015, GB/T 18414.1: 2006, ISO 14154:2005, DIN 5009:2021, ISO17134-2:2023, CEN/TR 14823:2003 & DIN 53313:1993-10)	0.05-100mg/kg; 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
		TCP) 3,4,5-Trichlorophenol (3,4,5-TCP) 2,3,4-Trichlorophenol(2,3,4-TCP) 2,4,5-Trichlorophenol (2,4,5-TCP) 2-Chlorophenol 3-Chlorophenol 4-Chlorophenol 2,6-Dichlorophenol (2,6-DCP) 2,5-Dichlorophenol (2,5-DCP) 2,4-Dichlorophenol (2,4-DCP) 3,5-Dichlorophenol (3,5-DCP) 2,3-Dichlorophenol (2,3-DCP) 3,4-Dichlorophenol (3,4-DCP) 4-Chloro-3-Methylphenol		
99.	Textile, Textile products & accessories, leather & Leather product, Paint & Raw Chemical, Sludge	Allergenic & Carcinogenic dyestuff Disperse Blue 1 Disperse Blue 3 Disperse Blue 7 Disperse Blue 26 Disperse Blue 35 Disperse Blue 106 Disperse Blue 102 Disperse Blue 124 Disperse Brown 1 Disperse Orange 1 Disperse Orange 3 Disperse Orange 11 Disperse Orange 37 Disperse Orange 149	SOP AL-SL:004-001 (Based on DIN 54231:2022, § 64 LFGB 82.02-10: 2023 and ISO 16373-1:2015, ISO 16373-2:2014)	10-750 mg/kg, 1mg/L or 10mg/kg and 2-750mg/kg, 2 mg/kg

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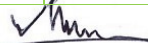
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S. N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		Disperse Red 1 Disperse Red 11 Disperse Red 17 Disperse Yellow 1 Disperse Yellow 3 Disperse Yellow 9 Disperse Yellow 23 Disperse Yellow 39 Disperse Yellow 49 Basic Violet 1 Basic Violet 3 Basic Violet 14 Basic Red 9 Solvent Yellow 1 Solvent Yellow 3 Solvent Yellow 14 Acid Red 26 Direct Black 38 Direct Blue 6 Direct Red 28 Direct Brown 95 Navy Blue 018112 Solvent Blue 4 Acid Violet 49 Solvent Red 23 Acid Red 73 Basic Blue 26 Basic Blue 26 Solvent Yellow 2 Michler's Ketone Michler's Base Basic Green 4 Disperse Yellow 7		


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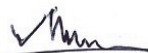
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S. N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		Disperse Black 2 Acid Red 114 Direct Blue 15 1, 4- Phenylene diamine Disperse Yellow 56 Basic Green 4 4,4'-bis(dimethylamino)-4"- (methylamino) trityl alcohol Disperse Red 151 Pigment Orange 13 Disperse Yellow 54 Disperse Red 7 Basic Green 4 Basic Red 46 Direct Blue 218 Acid Blue 113 Pigment Red 104 Pigment Yellow 34 Direct Yellow 1 Direct Yellow 1 Basic Violet 3 Pigment Yellow 83 Direct Blue 1 Acid Orange 24 Disperse Violet 1 Disperse Violet 93 Disperse Blue 291 Direct Blue 76 Solvent Yellow 34 Disperse Yellow 64 Disperse Orange 61 Naphthol AS		
100.	Textile, Textile product & accessories,	Material Identification by BEILSTEIN or FT-IR method	SOP AL-SL:009-001 (Based on In-house method)	N/A


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	leather & leather product, Raw Material			
101.	Textile, Textile products & accessories, leather & Leather product, Paint & Raw Chemical, Sludge	Chlorinated Toluene & Benzene 2-Chlorotoluene 3-Chlorotoluene 4-Chlorotoluene 2,3-Dichlorotoluene 2,4-Dichlorotoluene 2,5-Dichlorotoluene 2,6-Dichlorotoluene 3,4-Dichlorotoluene 2,3,6-Trichlorotoluene 2,4,5-Trichlorotoluene Pentachlorotoluene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene, 1,3,5-Trichlorobenzene 1,2,3,4-Tetrachlorobenzene 1,2,3,5-Tetrachlorobenzene 1,2,4,5-Tetrachlorobenzene Pentachlorobenzene Hexachlorobenzene, Monochlorobenzene, a,a,a-Trichlorotoluene a,2,6- Trichlorotoluene, a,a,a,2-Tetrachlorotoluene, a,a,a,4-Tetrachlorotoluene, a,3,4-Trichlorotoluene a,a,2,6-Tetrachlorotoluene a,a,-Dichlorotoluene a,o,-Dichlorotoluene a,p,-Dichlorotoluene 2,3,4,6-Tetrachlorotoluene 3,4,5-trichlorotoluene/trichlorotoluene 2,3,4,5-Tetrachlorotoluene 2,3,5,6-Tetrachlorotoluene 3,5-Dichlorotoluene	SOP AL-SL:007-001 (Based on DIN 54232:2010; GB/T 20384—2006, EN 17137:2018)	0.1-100mg/kg; 0.1mg/kg
102.	Textile, Textile	Phthalate	SOP AL-SL:005-001	0.015-25%; 0.015% or

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	products & accessories, leather & Leather product, Paint, plastic, Toys, Electronic & electrical products	di-n-butyl phthalate (DBP) butyl benzyl phthalate (BBP) di(ethylhexyl) phthalate (DEHP) di-isononyl phthalate (DINP) di-iso-decyl phthalate (DIDP) di-n-octyl phthalate (DnOP) dicyclohexyl phthalate (DCHP) di-n-hexyl phthalate (DnHP) Diisobutyl phthalate (DIBP) Di-n-pentyl phthalate (DPENP)	(Based on CPSC-CH-C1001-09.4: 2018; IEC 62321-8:2017, EN14372:2004, ISO 8124-6)	150mg/kg
103.	Textile, Textile products & accessories, leather & Leather product, Paint & Raw Chemical, Sludge, Food Contact Materials/ Plastic	Phthalate di-n-butyl phthalate (DBP) butyl benzyl phthalate (BBP) di(ethylhexyl) phthalate (DEHP) di-isononyl phthalate (DINP) di-iso-decyl phthalate (DIDP) di-n-octyl phthalate (DnOP) Di-iso-butyl Phthalate (DIBP) dimethoxyethyl phthalate (DMEP) di-iso-pentyl phthalate (DiPP) n-pentyl iso-pentyl phthalate (PiPP) di-n-pentyl phthalate (DnPP) dimethyl phthalate (DMP) diethyl phthalate (DEP) di-n-propyl phthalate (DnPrP) di-n-hexyl phthalate (DnHP) diundecyl phthalate (DUP) 1,2-benzenedicarboxylic acid, di-C7- 11 branched and linear alkyl esters (DHNUP) Diisoheptyl phthalate (DIHP) dicyclohexyl phthalate (DCHP) Butyl octyl phthalate (BOP) Di-iso-hexyl phthalate (DIHxP) 1,2 Benzenedicarboxylic	SOP AL-SL: 005-005 (Based on ISO 14389: 2022; DIN EN ISO 14389:2022)	0.005-25%; 0.005% or 50mg/kg and 2 mg/kg

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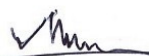
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		acid,dipentylester,branched & linear.(DPP) Di-n-hexyl phthalate (DnHxP) Diisooctyl phthalate (DIOP) Dinonyl phthalate (DNP) Diheptyl phthalate (DHP)		
104.	Textile, Textile products & accessories, leather & Leather product, Paint & Raw Chemical, Sludge, Food Contact Materials / Plastic	Phthalate di-n-butyl phthalate (DBP) butyl benzyl phthalate (BBP) di(ethylhexyl) phthalate (DEHP) di-isononyl phthalate (DINP) di-iso-decyl phthalate (DIDP) di-n-octyl phthalate (DnOP)	SOP-AL-SL: 005-004 (Based on EN 15777:2009 & GBT 20388-2016)	0.015-25%; 0.015% or 150mg/kg
105.	Textile, Textile products & accessories, leather & Leather product	Extractable Heavy metal- Arsenic (As), Lead (Pb) Cadmium (Cd) Chromium (Cr) Chromium VI (Cr-VI), Mercury (Hg), Antimony (Sb) Selenium (Se) Copper (Cu) Nickel (Ni) Barium (Ba) Cobalt (Co) Manganese (Mn) Zinc (Zn) Tin (Sn)	SOP AL-SL:017-001 (Based on DIN 54233-3:2010; EN 16711-2:2015; BS EN 16711-2:2015; DIN EN 16711-2: 2016; UNE EN ISO 17072-1:2020; ISO 17072-1:2019, EN ISO 17072-1:2019; BS EN ISO 17072-1:2019; DIN EN ISO 17072-1:2019; ISO 105 E04: 2013) SOP AL-SL:017-002 (Based on DIN 54233-4:2014; DIN 53160-1:2010) SOP AL-SL:017-003 (Based on In-house method; ISO 105 E04: 2013)	Hg: 0.01-50 mg/kg, Cd: 0.04-100 mg/kg; Pb & As: 0.05-100 mg/kg; Cr, CrVI, Co, Ni: 0.1-100 mg/kg; Others: 5-2000 mg/kg


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106.	Textile, Textile products & accessories, leather & Leather product, Paint	Migration of Certain Element or Toxicity or Soluble Heavy Metals- Chromium (Cr) Cobalt (Co) Nickel (Ni) Copper (Cu) Arsenic (As) Antimony (Sb) Lead (Pb) Cadmium (Cd) Mercury (Hg) Manganese (Mn) Selenium (Se) Barium (Ba) Tin (Sn) Zinc (Zn) Boron (B) Strontium (Sr) Aluminium (Al)	SOP AL-SL:016-001(Based on EN 71-3:2019 +A1: 2021; BS EN 71-3:2019+A1:2021; EN 71-3+A1/prA2:2024; DIN EN 71-3: 2021; ISO 8124-3: 2020; ISO 8124-3:2020/Amd 1:2023; BS 5665-3: 1995, ASTM F963-11; ASTM F963-17; ASTM F963-23; EN 14372: 2004; BS EN 14372: 2004; DIN EN 14372: 2004; CPSC-CH-E1004-11: 2011)	Cr: 0.15-1000 mg/kg; Cr-III: 2-1000 mg/kg; Cr-VI: 0.005-50 mg/kg Co & Pb: 1-500 mg/kg; Ni: 2-2000 mg/kg; Cu: 10-15000 mg/kg; As: 0.5-100 mg/kg; Sb: 5-1000 mg/kg; Cd: 0.3-100 mg/kg; Hg: 1-200 mg/kg; Mn & B:10-30000 mg/kg; Se & Sn :2-100 mg/kg; Ba:10-40000 mg/kg; Zn, Al & Sr: 10-100000 mg/kg
107.	Textile, Textile products & accessories, leather & Leather product, Paint & Raw Chemical, Sludge	Dimethyl fumarate (DMFu)	SOP-AL-SL: 011-001 (Based on ISO/TS 16186:2021)	0.05-100mg/kg; 0.05mg/kg
108.	Textile, Textile products & accessories, leather & Leather product, Paint & Raw Chemical, Sludge	Dimethylformamide (DMFa), N,N-Dimethylacetamide (DMAc), n-Methyl-2-Pyrrolidinone (NMP) & Formamide (FA)	SOP-AL-SL: 029-001 (Based on ISO 16189:2021 & EN 17131:2019)	DMFa & NMP 1-100mg/kg;1mg/kg DMAc & FA 10-100mg/kg; 10mg/kg
109.	Textile, Textile products & accessories, leather & Leather product, Paint & Raw Chemical, Sludge	Alkylphenol (AP) & Alkylphenol Ethoxylate (APEO) Nonyl Phenol (NP) p-Nonyl Phenol (p-NP) 4-Nonyl Phenol (4-NP) 4-n-Octyl phenol (4-n-	SOP-AL-SL: 012-001 (Based on In-House, EC 1907/2006 REACH, Annex XVII (previous Directive 2003/53/EC; ISO 18254-1:2016; DIN EN ISO 18254-1:2016; SN/T 1850.1-2006, SN/T 1850. 2-2006 & GB/T 23322-2009,ISO 18857-1:2005, ISO 18857-2:2011, ISO	3-5000mg/kg; 3mg/kg or 0.4 -5000 mg/kg, 0.4 mg/kg)

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S. N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		OP) p-t-Octyl phenol (p-n-OP) 4-t-Octyl phenol (4-t-OP) 4-n-Heptylphenol (4-n-HpP) 4-t-Pentylphenol (4-t-PeP) 4-tert-Butylphenol Nonylphenol-ethoxylate Octylphenol-ethoxylate	18218-1:2023, ISO 18218-2:2009, ISO 21084:2019, CEN/TC 248/WG 26 N 201)	
110.	Textile, Textile products & accessories, leather & Leather product, Paint & Raw Chemical, Sludge, Food Contact Materials / Plastic	Polycyclic aromatic hydrocarbon (PAHs) Naphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene 1-Methylpyrene Benzo[a]anthracene, Chrysene Benzo(c)phenanthrene Cyclopenta[c,d]pyrene 7,12-Dimethylbenz(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(j)fluoranthene Benzo(e)pyrene Benzo(a)pyrene 3-Methylcholanthrene Dibenzo[a,h]anthracene Benzo[g,h,i]perylene Indeno(1,2,3-CD)pyrene Dibenzo[a,i]pyrene Dibenzo[a,h]pyrene Dibenzo[a,i]pyrene Dibenzo[a,e]pyrene	SOP-AL-SL: 020-001 (Based on ZEK 01.4-08; EPA 610, AfPS GS 2019:01 PAK-EN, EN 17132:2019, ISO 16190:2021)	0.2mg/kg to 1000mg/kg; 0.2mg/kg
111.	Textile, Textile products & accessories,	SCCP, MCCP, LCCP	SOP-AL-SL: 021-001 (Based on ISO 18219:2015; EN ISO 18219:2015; ISO 18219-1:2021; ISO	10 mg/kg to 2000 mg/kg; 10 mg/kg

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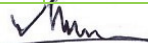
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	leather & Leather product, Paint & Raw Chemical, Sludge, Food Contact Materials / Plastic		18219-2:2021, ISO 22818:2021, USEPA 8270, USEPA 527, USEPA 8321B, In House Method)	
112.	Textile, Textile products & accessories, leather & Leather product, Paint & Raw Chemical, Sludge, Food Contact Materials / Plastic	Bisphenols	SOP-AL-SL: 022-001 (Based on ISO 11936:2023, ISO 21135:2024, In House Method)	0.1 mg/kg to 2000 mg/kg; 0.1 mg/kg
113.	Textile, Textile products & accessories, leather & Leather product, Paint & Raw Chemical, Sludge	PFAS/PFOA/ PFOS/ PFCs	SOP AL-018-001 (Based on CEN/TS 15968:2014 ; (EC) No. 757/2010, ISO 23702-1:2023, EN 17681-1:2022, EN 17681-2:2022, Regulation (EC) 1907/2006 Appendix XIV and XVII Regulation (EC) 2019/1021,)	0.25 mg/kg to 1000 mg/kg; 0.25 mg/kg 0.02g/m2 to 10ug/m2
114.	Textile, Textile products & accessories, leather & Leather product, Paint & Raw Chemical, Sludge, Food Contact Materials / Plastic	VOCs 1,1-Dichloroethane Methyl-ethyl ketone /2-butanone Chloroform 2-Phenyl-2-propanole/ a,a-Dimethylbenzyl alcohol Benzene Trichloroethylene Toluene 1,1,2-Trichloroethane Perchloroethylene Xylene(mixed)+ethylbenzene Cyclohexanone 1,2,3-Trichloropropane Acetophenone o-cresol / 2-Methylphenol p-cresol / 4-Methylphenol Dichloromethane / Methylene chloride Tetrachloromethane / Carbontetrachloride 1,2-Dichloroethane	SOP-AL-SL: 023-001 (In House Method)	1 mg/kg to 1000 mg/kg; 1mg/kg


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		1,1,1,2-Tetrachloroethane Ethylbenzene Styrene 1,1,2,2-Tetrachloroethane m-cresol / 3-Methylphenol		
115.	Textile, Textile products & accessories, leather & Leather product Paint & Raw Chemical, Sludge	Quinoline	SOP-AL-SL: 024-001 (DIN 54231:2022, In House Method)	10 mg/kg to 1000 mg/kg; 10 mg/kg
116.	Textile, Textile products & accessories, leather & Leather product Paint & Raw Chemical, Sludge	Siloxanes D ₄ , D ₅ , D ₆	SOP-AL-SL: 025-001 (In House Method)	10 mg/kg to 1000 mg/kg; 10 mg/kg
117.	Textile, Textile products & accessories, leather & Leather product Paint & Raw Chemical, Sludge	Benzotriazoles, UV-320, UV-327, UV-328, UV-350	SOP-AL-SL: 026-001 (Based on ISO 24040:2022, DIN EN 62321-6:2016, In House Method)	10 mg/kg to 1000 mg/kg; 10 mg/kg
118.	Textile, Textile products & accessories, leather & Leather product Paint & Raw Chemical	Nitrosoamine	SOP-AL-SL: 028-001 Based on ISO 19577:2019, EN 71-12:2013, EN 12868 :2017, GB/T 24153	0.01 mg/kg to 100 mg/kg; 0.01 mg/kg
119.	Textile, Textile products & accessories, leather & Leather product Paint & Raw Chemical,	2-mercaptobenzothiazole (2-MBT)	SOP-AL-SL: 030-001 Based on EN 14350-2 : 2004, GB 28482-2012, ISO 13365-1:2020	01 mg/kg to 1000 mg/kg; 1 mg/kg
120.	Textile, Textile products & accessories, leather & Leather product Paint & Raw Chemical,	AEAA [2-(2-aminoethylamino)ethanol]	SOP-AL-SL: 033-001 (In House Method)	10 mg/kg to 1000 mg/kg; 10 mg/kg
121.	Textile, Textile	Glycols	SOP-AL-SL: 034-001	10 mg/kg to 1000

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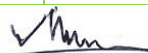
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S. N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
	products & accessories, leather & Leather product Paint & Raw Chemical, sludge		(In House Method)	mg/kg; 10 mg/kg
122.	Textile, Textile products & accessories, leather & Leather product Paint & Raw Chemical,	Anti- Microbials & Biocides	SOP-AL-SL: 035-001 (Based on EN 17134-1:2023, In House Method)	10 mg/kg to 1000 mg/kg; 10 mg/kg
123.	Textile, Textile products & accessories, leather & Leather product, Paint & Raw Chemical, Sludge	BHT (Butylated Hydroxy Toluene) in Textile, Plastics, Leather and Raw Chemical	SOP-AL-SL: 037-001 (In-House Method)	5mg/Kg-500 mg/Kg, 5 mg/KG
124.	Textile, Textile products & accessories, leather & Leather product, Paint & Raw Chemical	Glyoxal and Short-Chain-Aldehydes in Textile, Leather and Raw Chemical	SOP-AL-SL: 038-001, In-House in reference to ISO 17226-1 and ISO 14184-1	15 mg/kg-1500mg/kg; 15mg/kg
125.	Food Contact Material	Overall Migration	SOP FCM-SL-001-001 & SOP FCM-SL-001-002 (Based on EN 1186-1:2002; EN 1186-1:2002; DIN EN 1186-1: 2002; EN 1186-3:2002; BS EN 1186-3:2002; EN 1186-9:2002; BS EN 1186-9:2002; EN 1186-14:2002; BS EN 1186-14:2002; DIN EN 1186-14:2002; EN 13130-1:2004; BS EN 13130-1:2004; DIN EN 13130-1:2004; Commission Regulation (EU) no. 10/2011; Commission Regulation (EU) 2020/1245)	3-10000 mg/dm ² , 3 mg/dm ²
126.	Food Contact Material	Specific Migration of Heavy Metal	SOP FCM-SL-002-001 & SOP FCM-SL-002-002 (Based on CM/RES(2013)9, EN 13130-1:2004; BS EN 13130-1:2004; DIN EN 13130-1:2004; DIN 10531-2011; EN 16889:2016; DIN EN 16889:2016, JRC Guidelines; Commission	0.01 mg /kg to 100 mg/kg, 0.01 mg /kg


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S. N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
			Regulation (EU) no. 10/2011; Commission Regulation (EU) 2020/1245; EN 1388-1:1995; BS EN 1388-1:1996; EN 1388-1:1995; BS EN 1388-1:1996)	
127.	Food Contact Material	Specific migration of PAA	SOP FCM-SL-003-001 (In House Method)	0.01 mg /kg to 100 mg/kg, 0.01 mg /kg
128.	Food Contact Material	Peroxide value	SOP FCM-SL-004-001 (Regulation EC No. 1935/2004, 30 & 31 LFGB and French Decree 92-631)	Present / Absent
129.	Food Contact Material	Sensory Test	SOP FCM-SL-005-001 (DIN 10955:2004; DIN 10955:2023; §64 LFGB L00.90-6 Section 30 and 31; In-House Method)	Rating 0 to 4
130.	Food Contact Material	Specific Migration of Phthalate	SOP FCM-SL-006-001 (Based on EN 13130-1:2004; BS EN 13130-1:2004; DIN EN 13130-1:2004)	0.3 mg/kg to 1000 mg/kg, 0.3 mg/kg
131.	Food Contact Material	Specific Migration of PAHs	SOP FCM-SL-007-001 (In house method)	0.2mg/kg to 1000mg/kg; 0.2mg/kg
132.	Food Contact Material	Color Migration	SOP FCM-SL-008-001 (In house method; EN 1186-1:2002; EN 1186-1:2002; DIN EN 1186-1: 2002; EN 1186-3:2002; BS EN 1186-3:2002; EN 1186-9:2002; BS EN 1186-9:2002; EN 1186-14:2002; BS EN 1186-14:2002; DIN EN 1186-14:2002; EN 13130-1:2004; BS EN 13130-1:2004; DIN EN 13130-1:2004; Commission Regulation (EU) no. 10/2011)	Assesment (0,1)
133.	Food Contact Material	Volatile Organic Matter (VOM)	SOP FCM-SL-009-001 (In house method)	1.0-99%
134.	Food Contact Material	Capacity Measurement	SOP-FCM-AL: 008-001 (In house method)	100ml-6000ml
135.	Food Contact Material	Dishwasher Test	SOP-FCM-AL: 010-001 (EN 12875-1, EN 12875-2, EN 60335-1, EN 60335-2-5, In house method)	Assessment
136.	Food Contact Material	Resistance to microwave heating of ceramic, glass, class-ceramic or plastic cookware	SOP-FCM-AL: 011-001 (EN 15284, In house method)	Assessment

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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
137.	Food Contact Material	Thermal shock resistance	SOP-FCM-AL: 011-001 (EN 1183, In house method)	Assessment
138.	Electronic & Electrical Products (RoHS & WEEE), Textiles, Polymer, & Metals	Heavy metals determination by XRF (Pb, Cd, Hg, Br, Cr-VI and other metals)	SOP-EC-SL-001-001 (Based on IEC 62321-3-1:2013; EN 62321-3-1:2014; BS EN 62321-3-1:2014; DIN EN 62321-3-1:2014; ASTM F2853 -10(2015), 16 CFR Part 1303; ASTM F2617-15 (2023); In-House Method)	10-50000mg/kg
139.	Water & Waste water, Sludge, Soil and Sediment	pH Value	SOP EL-SL-001-001 (Based on SM 4500H; USEPA 150.1, USEPA 9045 D; ISO 10523; GB/T 6920, HJ 1147, IS 3025 (part-11), EPA SW 9045D, HJ 962, ISO 10390:2021, ISO 3696)	0-14
140.	Water & Waste water	Hardness	SOP EL-SL-002-001 (Based on APHA/SM 2340 B; APHA/SM 2340-A; APHA/SM 2340-C; USEPA 130.2)	5-500mg/L; 5mg/L
141.	Sludge, soil and sediment	Moisture content	SOP EL-SL-003-001 (Based on EPA 160.3, HJ 613, In House)	1.0-99%
142.	Water & Waste water	Total Dissolved Solid (TDS)	SOP EL-SL-004-001 (Based on APHA/SM 2540C; USEPA -160.1, GB/T 5750.4, IS 3025-Part 16)	5-500mg/L; 5mg/L
143.	Water & Waste water	Total Suspended Solid (TSS)	SOP EL-SL-005-001 (Based on APHA/SM 2540D; USEPA -160.2; ISO 11923; GB/T 11901; IS 3025-Part 17)	5-500mg/L; 5mg/L
144.	Water & Waste water	Color	SOP EL-SL-006-001 (Based on APHA/SM 2120B; USEPA 110.2)	5-1000 Pt-Co unit; 5Pt-Co
145.	Water & Waste water	Color	SOP EL-SL-006-002 (Based on ISO 7887 Method B; USEPA 110.1; USEPA 110.2; APHA 2120B; GB/T 11903)	0.01-1.5 m-1; 0.01 m-1
146.	Water & Waste water	Chemical Oxygen Demand, COD	SOP EL-SL-007-001 (Based on APHA/SM 5220D; USEPA 410.4; ISO 6060; ISO 15705; HJ 828; GB/T 11914; IS 3025 -Part 58)	5-2000mg/L; 5mg/L
147.	Water & Waste water	Biological Oxygen Demand, BOD	SOP EL-SL-008-001 (Based on APHA/SM 5210B; USEPA 405.1; ISO 5815-1; HJ 505; IS 3025-Part 44)	2-500mg/L; 2mg/L
148.	Water & Waste water	Sulfide	SOP EL-SL-009-001 (Based on ISO 10530, APHA/SM 4500-S2-D, GB/T 16489, IS 3025 -part 29, In House)	0.01-10.0 mg/L; 0.01mg/L
149.	Water & Waste	Ammonium-N	SOP EL-SL-010-001 (Based on	0.5-100 mg/L; 0.5mg/L

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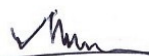
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	water, Sludge, soil and sediment		APHA/SM 4500 NH ₃ -D&F, ISO 11732, ISO 7150-1, USEPA 350.1, USEPA 350.3, HJ 535, IS 3025-part 34)	
150.	Water & Waste water	Oil & Grease	SOP EL-SL-011-001 (Based on APHA/ SM 5520-B/C, USEPA 1664, HJ 637, IS 3025-part 39)	0.5-500 mg/L; 0.5mg/L
151.	Water & Waste water, Sludge, soil and sediment	Total phosphorus	SOP EL-SL-012-001 (Based on SM / APHA 4500 P -B&E, APHA/SM 4500 P-J, ISO 11885, ISO 17294, ISO 6878, USEPA 200.7, USEPA 200.8, USEPA 365.4, USEPA 6010C, USEPA 6020A, GB/T-11893, IS 3025-part 31 & 65)	0.1-50 mg/L; 0.1mg/L
152.	Water & Waste water	Alkalinity	SOP EL-SL-013-001 (Based on SM/APHA 2320 B)	5-1000 mg/L; 5mg/L
153.	Water & Waste water, Sludge, soil and sediment	Cyanide	SOP EL-SL-014-002 (Based on APHA/SM 4500 CN- E; DIN 38405-13; ISO 6703-1; ISO 6703-2; ISO 6703-3; US EPA 335.2; ASTM D2036-09 D; HJ 484; ISO 14403-1; ISO 14403-2; USEPA 9013; HJ745; EPA 9014; EPA 9213; HJ 745)	0.05-20 mg/L; 0.05mg/L & 0.2-100 mg/kg; 0.2 mg/kg
154.	Water & Waste water	Phenol	SOP EL-SL-015-001 (Based on APHA/SM 5530 B, C & D, ISO 6439, HJ 503, IS 3025-part 43)	0.001-5 mg/L; 0.001mg/L
155.	Water & Wastewater	Sulfite	SOP EL-SL-016-001 (Based on USEPA 377.1, ISO 10304-3: 1997; EN ISO 10304-3: 1997; DIN EN ISO 10304-3: 1997; SM 4500-SO3)	0.2-50 mg/L; 0.2mg/L
156.	Water, Wastewater, Textiles, Chemicals	Adsorbable Organic Halogen, AOX	SOP EL-SL-017-001 (Based on USEPA 1650, ISO 9562: 2004; EN ISO 9562: 2004; BS EN ISO 9562: 2004; EPA 9023, EN 16166, DIN 38414 S-18, EN 1485, DIN EN 1485)	0.1-50 mg/L; 0.1mg/L & 1-100 mg/kg; 1 mg/kg
157.	Water & Waste water, Sludge, soil and sediment	Total Nitrogen	SOP EL-SL-018-001 (Based on USEPA 351.2; APHA/SM 4500N-B; APHA/SM 4500N-C, ISO 5663: 1984, ISO 29441: 2010; ISO 11905-1:1998; BS EN ISO 11905-1:1998; DIN EN ISO 11905-1:1998)	0.5-100 mg/L; 0.5mg/L & 5-500 mg/kg; 5mg/kg


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158.	Water & Wastewater	Heavy Metals	SOP EL-SL-019-001 (Based on EPA 200.7, USEPA 200.8, USEPA 218.6, USEPA 6010c, USEPA 6020a, USEPA 245.1; USEPA 245.7; ISO 17294-2; ISO 11885:2007, ISO 12846:1212, ISO 18412:2005; USEPA 3060A, USEPA 7196)	Hg & Cr-VI: 0.001-1 mg/L; Cd, Pb, Sb, B & Co: 0.01-10mg/L; As, Ag: 0.005-5mg/L; Cr & Ni: 0.05-50mg/L; Zn: 0.1-100 mg/L Cu: 0.25-500 mg/L; Ba, Se, Sn, & Mn:0.5-500mg/L
159.	Water & Wastewater	Temperature	SOP EL-SL-020-001 (Based on USEPA 170.1; APHA-2550)	0-100°C; 0 °C
160.	Water & Waste water, Sludge, soil and sediment	Total Organic Carbon (TOC)	SOP EL-SL-021-001 (Based on USEPA 415.3; APHA 5310 C; ISO 20236: 2018; BS ISO 20236: 2018)	5-500 mg/L; 5mg/L & 20-1000 mg/kg; 20mg/kg
161.	Water, Wastewater, Sludge	Nitrosoamine	SOP EL-SL-034-001 Based on US EPA 521, US EPA 607	0.01 mg/kg to 100 mg/kg; 0.01 mg/kg
162.	Water, Wastewater, Sludge	Borate, Zinc salt	SOP EL-SL-019-001 (Based on EPA 200.7, USEPA 200.8, USEPA 218.6, USEPA 6010c, USEPA 6020a, USEPA 245.1; USEPA 245.7; ISO 17294-2; ISO 11885:2007, ISO 12846:1212, ISO 18412:2005; USEPA 3060A, USEPA 7196) SOP-AL-SL: 015-001 (Based on USEPA 3015A; USEPA 3051A; USEPA 3052; 14602:2012; BS EN 14602:2012; DIN EN 14602: 2012, In-House method, USEPA 200.7; USEPA 200.8; USEPA 6010C, USEPA 6010D, USEPA 1311; ISO 17294-2:2023; EN ISO 17294-2:2016; EN ISO 17294-2:2016; BS EN ISO 17294-2:2016, Canada C30, Cr-Vi with reference to USEPA 3060A, USEPA 7196A, ISO 18412)	B:0.01-10mg/L Zn:0.1-100mg/L B/Zn : 5-200000 mg/kg
163.	Water, Wastewater, Sludge	Thiourea	SOP EL-SL-040-001 (In house method)	01 mg/kg to 1000 mg/kg; 1 mg/kg

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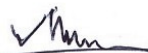
Issued on: 24 November 2024

Last Amended on: NA

Valid until: 09 September 2027

Amendment no: NA

S. N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
164.	Water, waste water	Allergenic and Carcinogenic Dyes	SOP EL-SL-035-001 (Based on DIN 54231:2022 and ISO 16373-1:2015, ISO 16373-2:2014, In house method)	10-750µg/L, 50µg/L
165.	Water, waste water	Alkylphenol (AP) & Alkylphenol Ethoxylate (APEO)	SOP EL-SL-036-001 (Based on ISO 18857-2:2009, ISO 18254-1:2016, ASTM D7065, ASTM D7742)	5-5000µg/L, 5µg/L
166.	Water, waste water	Brominated and Phosphorus Flame Retardants	SOP EL-SL-037-001 (Based on USEPA 8270E, USEPA 527, USEPA 8321B, ISO 22032, In House Method)	5-1500µg/L, 5µg/L
167.	Water, waste water	Perfluorinated compounds (PFCs)	SOP EL-SL-038-001 (Based on CEN/TS 15968, USEPA 537, BS EN 12673, EPA 8270, In House Method)	0.01-1500µg/L, 0.01µg/L
168.	Water, waste water	Azo Dye Analysis	SOP EL-SL-039-001 (Based on EN 14362-1&3, USEPA 8270, In House Method)	0.1-1500µg/L, 0.1µg/L
169.	Water, waste water	Phthalates	SOP EL-SL-041-001 (Based on US EPA 8270E, ISO 18856, In House Method)	10-1500µg/L, 10 µg/L
170.	Water, waste water	Chlorobenzenes and Chlorotoluenes	SOP EL-SL-042-001 (Based on USEPA 8260D & 8270E, In House Method)	0.2-100µg/L, 0.2µg/L
171.	Water, waste water	Chlorophenols	SOP EL-SL-043-001 (Based on USEPA 8270D, USEPA 8270E, ISO 14154:2005, BS EN 12673, In House Method)	0.5-1000µg/L, 0.5µg/L
172.	Water, waste water	Glycols	SOP EL-SL-044-001 (Based on USEPA 8270E, In House Method)	50-1000µg/L, 50µg/L
173.	Water, waste water	VOCs and Halogenated Solvents	SOP EL-SL-045-001 (Based on USEPA 8260D, USEPA 8270, ISO 11423-1, ISO 20595, BS EN 12673, HJ 1067, In House Method)	1-1000µg/L, 1µg/L
174.	Water, waste water	Organotin	SOP EL-SL-046-001 (Based on ISO 17353, In House Method)	0.01-100µg/L, 0.01µg/L
175.	Water, waste water	Polycyclic Aromatic Hydrocarbons (PAHs)	SOP EL-SL-047-001 (Based on US EPA 8270E, DIN 38407-39, In House Method)	1-1000µg/L, 1µg/L
176.	Water, waste water	SCCP, MCCP, LCCP	SOP EL-SL-048-001 (Based on EPA 3510, ISO 18219-2, ISO 12010, USEPA 8270, USEPA 527, USEPA 8321B, In House Method)	0.4-1000µg/L, 0.4µg/L
177.	Water & Waste water, Soil and Sediment	Determination of Nitrate in water, wastewater, soil, sediment	SOP EL-SL-022-001 (Based ISO 8466-1; DIN 38402; APHA/SM4500-NO3; USEPA352.1; In House	1.0-500 mg/L, 1.0 mg/L &


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SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address: UL VS Bangladesh Ltd.

The Pearl Trade Center (5th, 14th and 15th floor), Cha-90/3, Progoti Sharani
North Badda, Dhaka-1212, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017

Accreditation Date: 10 September 2015

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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
			Method by Photometric Analysis)	5-5000 mg/kg, 5 mg/kg
178.	Water & Waste water, Soil and Sediment	Determination of Nitrite in water, wastewater, soil, sediment	SOP EL-SL-023-001 , (Based on USEPA 353.2; USEPA1686; APHA/SM4500-NO2;In House Method by Photometric Analysis)	1-200 mg/L, 1 mg/L & 5-1000 mg/kg, 5 mg/kg
179.	Water & Waste water, Sludge, Soil and Sediment	Determination of Chloride in water, wastewater, sludge, soil & sediment	SOP EL-SL-024-001 (Based on ISO 10304-1; ISO 15923-1; SM 4110-B; SM 4110-B,C; SM 4500-Cl, B, D or E; USEPA 300; USEPA 9253; ASTM D512; In-House Method; Titrimetric Method)	10-1000 mg/L, 10 mg/L & 20-2000 mg/kg, 20 mg/kg
180.	Water & Waste water	Determination of Electrical Conductivity in water & wastewater	SOP EL-SL-025-001 (Based on APHA/SM 2510; USEPA 120.1; BS EN ISO 3696: 1995)	0.01-10000 uS/cm; 0.01 uS/cm
181.	Water & Waste water	Determination of Reduce After Evaporation in water & wastewater	SOP EL-SL-026-001 (Based on BS EN ISO 3696:1995; APHA/SM 2540B; USEPA 160.3)	1-100 mg/kg, 1 mg/kg
182.	Water & Waste water	Determination of Oxidizable Matter in water & wastewater	SOP EL-SL-027-001, BS EN ISO 3696: 1996	0.08 mg/L - 10 mg/L; 0.08 mg/L
183.	Water & Waste water, Sludge, Soil and Sediment	Determination of Salinity in water, wastewater, sludge, soil & sediment	SOP EL-SL-028-001 (Based on APHA/SM 2520; In House Method)	1.0-100 ppt, 1.0 ppt
184.	Sludge, Soil and Sediment	Determination of Organic Matter in sludge, soil & sediment	SOP EL-SL-029-001, Ignition Method	0.5-50%, 0.5%
185.	Water & Waste water, Sludge, Soil and Sediment	Determination of Sulfate in water, wastewater, sludge, soil & sediment	SOP EL-SL-030-001 (Based on APHA 4500-SO4 B ; SM 4500 SO4, E, F, G; SM 4100 B, C; USEPA 300; USEPA 9038, ISO 10304-1; ISO 15923-1; In House Method by Photometric Analysis)	10-1000 mg/L, 10 mg/L & 20-2000 mg/kg, 20 mg/kg
186.	Water & Waste water	Determination of Turbidity in water & wastewater	SOP EL-SL-031-001, (Based on APHA 2130B (1992); ISO 7027-1; USEPA 180.1; In House Method by Photometric Analysis)	2-1000 NTU, 2 NTU
187.	Water & Waste water, Sludge, Soil and Sediment	Determination of Alkyl-Benzyl Sulfonate (Detergent) in water & wastewater, Sludge, Soil and Sediment	SOP EL-SL-032-001, In House Method by Photometric Analysis	0.1- 100 mg/L; 0.1 mg/L
188.	Water & Waste	Determination of Fluoride in	SOP EL-SL-033-001	0.2-100 mg/L, 0.2 mg/L

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	water	water & wastewater	(Based on USEPA 340.3; APHA/SM4500-F-E; In House Photometric Method)	
189.	Liquid Materials	Determination of Viscosity of Liquid	SOP EL-SL-062-001 (In House Method)	1- 600000 cP or mPa.s 1 cP or mPa.S
190.	Water & Waste water	DETERMINATION OF BENZOTRIAZOLS (UV-320, UV-327, UV-328, UV-350) IN WATER AND WASTEWATER	SOP EL-SL-049-001, USEPA 8270, USEPA 527, USEPA 8321B, ISO 22032, In House Method	10-5000µg/L, 10µg/L
191.	Water & Waste water	DETERMINATION OF PERMETHRIN IN WATER & WASTEWATER SAMPLES	SOP EL-SL-050-001, USEPA 8270E, ISO 14154, In House Method	50-5000µg/L, 50µg/L
192.	Water & Waste water	DETERMINATION OF TRICLOSAN CONTENT IN WATER AND WASTEWATER	SOP EL-SL-051-001, USEPA 8270E, BS EN 12673-1999, In House Method	10-5000µg/L, 10µg/L
193.	Water & Waste water	Determination of odor in water & wastewater	SOP EL-SL-052-001 (Based on USEPA 140.1; APHA/SM 2150-B; APHA 2170; ASTM E2892-21; In-House Method)	Present/ Absent
194.	Soil and Sediment	Determination of soil texture	SOP EL-SL-053-001 (In-House Method; Jar Test Method)	Qualitative
195.	Water & Waste water	Determination of Total Chlorine & Free Chlorine (Residual) in water, wastewater sample.	SOP EL-SL-054-001 (In-House Method; Photometric Method; EPA 330.5, SM4500-Cl-G, ISO 7393-2)	0.1-100 mg/L, 0.1 mg/L
196.	Water & Waste water	Determination of Dissolved Oxygen in water & wastewater.	SOP EL-SL-055-001 (In-House Method; EPA 360.1, SM 4500-O-G, ISO 5814)	0-20 mg/L, 0 mg/L
197.	Water & Waste water	Determination of DMFa content in water and wastewater	SOP EL-SL-056-001, In-house, EPA 8270E, EPA 8015	50-5000µg/L, 50µg/L
198.	Water & Waste water	Determination of AEEA content in water and wastewater	SOP EL-SL-057-001 (In-house Method)	50-5000µg/L, 50µg/L
199.	Sludge, Sediment	Paint Filter Liquids Test	SOP EL-SL-058-001 , (Based on USEPA 9095A; USEPA 9095B; USEPA SW 846; 40 CFR 264.314 and 265.314; In-house Method)	Qualitative
200.	Water & Waste water	Determination of Foam in wastewater sample	SOP EL-SL-059-001 , (Based on ZDHC Wastewater Guidelines, ZDHC SAP; In House Method)	Present/ Absent

Quality Manager

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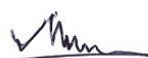
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Valid until: 09 September 2027

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S. N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
201.	Water & Waste water	Determination of Chlorophyll a and Chlorophyll b in water	SOP EL-SL-060-001 (Based on ISO 10519, In-house Method)	0.1- 100 mg/L; 0.1 mg/L
202.	Sludge, Soil and Sediment	Total Ash content in sludge	SOP EL-SL-061-001 (In-house Method), ASTM D2584, ASTM D5630, ISO 3451	0.1-99%
203.	Wastewater	Determination of wastewater Flowrate	SOP EL-SL-063-001 (Based on ZDHC Wastewater Guidelines; ZDHC SAP; In-house Method)	Qualitative
204.	Water, Wastewater, Textiles, Chemicals	Determination of ADCA (Azodicarbonamide)	SOP EL-SL-065-001 (In-house, ZDHC Wastewater/MRSL Guidelines)	1-500 mg/L; 1mg/L & 10-5000 mg/kg; 10 mg/kg
205.	Water, Wastewater,	Determination of Silica in Water & Wastewater	SOP EL-SL-064-001 (Based on APHA/SM 4500-SiO ₂ -D; ASTM D 859-00; EPA 600/4-79-020; EPA 366; In-house Method)	0.1 mg/L to 50 mg/L; 0.1 mg/L

END


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