

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

Date of sampling	06/02/2023
Reporting date	28/02/2023

Audit ID	132853	Audit firm	SGS Bangladesh Ltd.
Company name	Pioneer Denim Ltd.		
Contact person	Md. Khairul Alam		
Type of tax – tax ID no	115321369892		
Address	Horitola, P.O.- Shahpur Bazar, P.S.- Madhabpur, Dist.- Habiganj		
Region state province	Habiganj		
Town city / village	Habiganj		
Zip / Post code	3333		

Type of wastewater discharge	
Type of waste discharge	Direct Discharge
Description of the discharge	Discharge to Local Lake
[If direct discharge] Temperature of receiving water body:	31.6 °C

Type of sludge disposal pathway	
Type of sludge disposal pathway	Pathway E

Sampler accreditation certification number (ZDHC):	C74D106818753
Sampling affiliate	SGS Bangladesh Ltd.

Sample description			
	Simple	Composite	Comments
(1) Untreated wastewater	YES, Dark Blue, Simple Sample at 18:50	No	N/A
(2) Effluent	NO	YES, Colorless, composite sample at 01:00, 02:00, 03:00, 04:00, 05:00, 06:00, 07:00	N/A
(3) Sludge	YES, Black, Sample at 19:50	NO	N/A
(4) Leachate	N/A	N/A	N/A

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

Internal description – Final Test Report	
Testing laboratory	SGS Bangladesh Ltd, SGS India Private Limited
Internal codification number (report number)	2310003628
Reference sample number (sample ID)	Untreated Wastewater, Effluent, Sludge
Received on	06/02/2023 at SGS Bangladesh Ltd; 22/02/2023 at SGS India Private Limited
Analysis carried out from	06/02/2023- 11/02/2023 at SGS Bangladesh Ltd; 22/02/2023 - 27/02/2023 at SGS India Private Limited
Arrival temperature at lab	5 °C
Comments	N/A
Reporting date	28/02/2023

Sign for and on behalf of
SGS Bangladesh Ltd



RAFIQUL ISLAM
Chemical Lab Manager

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

Summary of test results				
Test items	Untreated wastewater	Effluent	Sludge	Leachate
Conventional Parameters and Anions	-	Fulfill Progressive limit @	Please refer to the information in TEST RESULTS	-
Heavy Metals	-	Fulfill aspirational limit	Please refer to the information in TEST RESULTS	N/A
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers	ND	-	ND	-
Anti- Microbials & Biocides	ND	-	-	-
Chlorinated Parafins	ND	-	-	-
Chlorobenzenes & Chlorotoluenes	ND	-	ND	-
Chlorophenols	ND	-	-	-
N,N-di-methylformamide (DMFa)	ND@	-	-	-
Dyes – Carcinogenic or Equivalent Concern	ND	-	-	-
Dyes – Disperse (Allergenic)	ND	-	-	-
Dyes – Navy Blue Colourant	ND	-	-	-
Flame Retardants	ND	-	-	-
Glycols / Glycol Ethers	ND	-	-	-
Halogenated Solvents	ND	-	-	-
Organotin Compounds	ND	-	-	-
Other / Miscellaneous Chemicals	ND	-	-	-
Perfluorinated and Polyfluorinated Chemicals (PFCs)	ND	-	-	-
Phthalates – including all other esters of ortho-phthalic acid	ND	-	-	-
Polycyclic Aromatic Hydrocarbons (PAHs)	ND	-	ND	-
Restricted Aromatic Amines (Cleavable from Azo-colourants)	ND	-	-	-
UV Absorbers	ND	-	-	-
VOCs	ND	-	-	-

Remark (Indicated in each parameter)

ND = Not detected

D = Detected

NA = Not applicable

- = Not required to be tested

@ = Maximum holding time exceeded

(T) = handling temperature exceeded

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

Test results

Wastewater

1. Conventional Parameters and Anions

Test Items	Test method	Limit			Reporting Limit	Result		Unit
		Foundational	Progressive	Aspirational		Untreated wastewater	Effluent	
pH	ISO 10523, USEPA 150.1, SM 4500 H+, HJ 1147 or IS 3025 (Part 11) - Electrometric method only	Textile and Leather: 6-9			NA	-	8.4 (f)	-
Temperature Difference	DIN 38 404-4, USEPA 170.1, SM 2550, GB/T 13195 or IS 3025 (Part 9)	Textile and Leather: Δ+15	Textile and Leather: Δ+10	Textile and Leather: Δ+5	NA	-	1.0 (f)	°C
E. Coli	SM 9221 B presumptive, confirm positive with SM 9221 F or G	Textile and Leather: 126			126	-	ND	MPN/100mL
Colour (436nm; 525nm; 620nm)	ISO 7887 B	Textile and Leather: 7;5;3	Textile and Leather: 5;3;2	Textile and Leather: 2;1;1	NA	-	2.2;ND;ND(S)	m ⁻¹
Persistent Foam	-	Textile and Leather: Not visible			NA	-	Not Visible	-
Wastewater Flowrate	-	-			NA	-	2601.2(f)	m ³ /day
Ammonium-Nitrogen	ISO 7150, ISO 11732, USEPA 350.1, USEPA 350.3, SM 4500 NH3 D, E, F, G or H, HJ 535 or IS 3025 (Part 34) - Phenate or ammonia selective electrode only	Textile: 10 Leather: 15	Textile: 1 Leather: 10	Textile: 0.5 Leather: 1	0.5	-	ND(S)	mg/L
AOX#	ISO 9562, HACH LCK 390 or HJ/T 83-2001	Textile: 3	Textile: 0.5	Textile: 0.1	0.1	-	ND(S)	mg/L
Biochemical Oxygen Demand 5-days concentration (BOD ₅)	ISO 5815-1, USEPA 405.1, SM 5210 B, HJ 505 or IS 3025 (Part 44) - Seeded dilution water (BOD ₅)	Textile: 30 Leather: 50	Textile: 15 Leather: 30	Textile: 8 Leather: 20	5	-	8	mg/L
Chemical Oxygen Demand (COD)	ISO 6060, ISO 15705, USEPA 410.4, SM 5220 D, HJ 828, GB/T 11914 or IS 3025 (Part 58)	Textile: 150 Leather: 250	Textile: 80 Leather: 150	Textile: 40 Leather: 100	40	-	ND	mg/L
Dissolved Oxygen (DO)	ISO 5814, USEPA 360.1, SM 4500 O G or HJ 506	Textile and Leather: Sample and report only			0.5	-	6.64(f)	mg/L
Oil and grease	ISO 9377-2, USEPA 1664 Revision B, SM 5520 B or C, HJ 637 - Total oil and grease or IS 3025 (Part 39) - Partition gravimetric or partition infra-red	Textile: 10 Leather: 20	Textile: 2 Leather: 10	Textile: 0.5 Leather: 5	0.5	-	ND	mg/L
Total Phenols / Phenol Index	ISO 6439, SM 5530 B or C, HJ 503 or IS 3025 (Part 43)	Textile and Leather: 0.5	Textile:0.01 Leather: 0.3	Textile: 0.001 Leather: 0.1	0.001	-	ND	mg/L
Total Chlorine	ISO 7393-2, USEPA 330.5, SM 4500 Cl- G or HJ 586	Textile and Leather: Sample and report only			0.5	-	ND (f)	mg/L
Total Dissolved Solids (TDS)	USEPA 160.1, SM 2540 C, GB/T 5750.4-2006 (180°C centigrade) or IS 3025 (Part 16) 179°C to 181°C	Textile and Leather: Sample and report only			50	-	1962	mg/L
Total Nitrogen	ISO 11905 - Part 1, ISO 29441, USEPA 351.2, SM 4500 P J, SM 4500 N B, C, HJ 636 or IS 3025 (Part 34) (Ammonia, nitrate, nitrite, organic)	Textile: 20 Leather: 35	Textile: 10 Leather: 20	Textile: 5 Leather: 10	5	-	7.88	mg/L
Total Phosphorus	ISO 6878, ISO 11885, ISO 17294, USEPA 200.7, USEPA 200.8, USEPA 365.4, USEPA 6010 C, USEPA 6020 A, SM 4500 P J, GB/T 11893, IS 3025 (Part 31) or IS 3025 (Part 65)	Textile and Leather: 3	Textile: 0.5 Leather: 1	Textile: 0.1 Leather: 0.5	0.1	-	0.18	mg/L

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

Total Suspended Solids (TSS)	ISO 11923, USEPA 160.2, SM 2540 D, GB/T 11901 or IS 3025 (Part 17) 103°C to 105°C	Textile: 50 Leather: 70	Textile: 15 Leather: 50	Textile: 5 Leather: 20	5	-	ND	mg/L
Chloride	ISO 10304-1, ISO 15923-1, USEPA 300, SM 4110 B, C, SM 4500 Cl D or E, HJ 84-2016 or IS 3025 (Part 32) - Potentiometric or automated ferricyanide only	Textile and Leather: Sample and report only			1	-	75	mg/L
Cyanide	ISO 6703-1, -2, -3, ISO 14403-1, -2, USEPA 335.2, SM 4500 CN or HJ 484	Textile: 0.2	Textile: 0.1	Textile: 0.05	0.05	-	ND	mg/L
Sulfate	ISO 10304-1, ISO 15923-1, USEPA 300, USEPA 9038, SM 4110 B, C, SM 4500 SO ₄ ²⁻ E, F, G, HJ 84-2016 or IS 3025 (Part 24)	Textile and Leather: Sample and report only			5	-	ND	mg/L
Sulfide	ISO 10530, SM 4500 S ²⁻ D, E, G or I, HJ 1226 or IS 3025 (Part 29) - Methylene blue only	Textile: 0.5 Leather: 1	Textile: 0.05 Leather: 0.5	Textile: 0.01 Leather: 0.2	0.01	-	ND	mg/L
Sulfite	ISO 10304-3, SM 4500 SO ₃ ²⁻ C or HJ 84-2016	Textile: 2	Textile: 0.5	Textile: 0.2	0.2	-	ND(S)	mg/L

Remark

ND = Not detected

NA = Not applicable

- = Not required to be tested

(f) = Parameter tested in field

(S) = The analysis was subcontracted to SGS India Private Limited,lab Reference no. 1442009464 for testing.

= Non accredited parameter

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

2. Heavy Metals

Cr (VI): ISO 18412, USEPA 218.6, GB 7467 or IS 3025 (Part 52)
 Ba, Se, Sn: USEPA 200.8, USEPA 6010 C, USEPA 6020 A or HJ 700
 Sb, As, Cr, Co: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)
 Cd: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 7475, HJ 700, IS 3025 (Part 65) or IS 3025 (Part 41) – AAS instrumental method
 Cu: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 7475, HJ 700, IS 3025 (Part 65) or IS 3025 (Part 42) – AAS instrumental method
 Pb: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 7475, HJ 700, IS 3025 (Part 65) or IS 3025 (Part 47) – AAS instrumental method
 Ni: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 11912, HJ 700, IS 3025 (Part 65) or IS 3025 (Part 54) – AAS instrumental method
 Ag: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 11907, HJ 700 or IS 3025 (Part 65)
 Zn: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 7472, GB 7475, HJ 700, IS 3025 (Part 65) or IS 3025 (Part 49) – AAS instrumental method
 Hg: ISO 17294, USEPA 200.8 – SIM, USEPA 245.1, USEPA 245.7, USEPA 6020 A – SIM, HJ 597, HJ 694, IS 3025 (Part 48) – Cold vapour AAS only or IS 3025 (Part 65) – SI
 B: ISO 17294, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)

Test items	CAS no.	Limit			Reporting Limit	Result		Unit
		Foundational	Progressive	Aspirational		Untreated wastewater	Effluent	
Arsenic (As)	Various	Textile and Leather: 0.05	Textile and Leather: 0.01	Textile and Leather: 0.005	0.005	-	ND	mg/L
Cadmium (Cd)	Various	Textile and Leather: 0.1	Textile and Leather: 0.05	Textile and Leather: 0.01	0.01	-	ND	mg/L
Mercury (Hg)	Various	Textile and Leather: 0.01	Textile and Leather: 0.005	Textile and Leather: 0.001	0.001	-	ND	mg/L
Lead (Pb)	Various	Textile and Leather: 0.1	Textile and Leather: 0.05	Textile and Leather: 0.01	0.01	-	ND	mg/L
Antimony (Sb)	Various	Textile and Leather: 0.1	Textile and Leather: 0.05	Textile and Leather: 0.01	0.01	-	ND	mg/L
Cobalt (Co)	Various	Textile and Leather: 0.05	Textile and Leather: 0.02	Textile and Leather: 0.01	0.01	-	ND	mg/L
Nickel (Ni)	Various	Textile and Leather: 0.2	Textile and Leather: 0.1	Textile and Leather: 0.05	0.05	-	ND	mg/L
Silver (Ag)	Various	Textile and Leather: 0.1	Textile and Leather: 0.05	Textile and Leather: 0.005	0.005	-	ND	mg/L
Copper (Cu)	Various	Textile and Leather: 1	Textile and Leather: 0.5	Textile and Leather: 0.25	0.25	-	ND	mg/L
Zinc (Zn)	Various	Textile and Leather: 5	Textile and Leather: 1	Textile and Leather: 0.5	0.1	-	ND	mg/L
Total Chromium (Cr)	Various	Textile: 0.2 Leather: 1.5	Textile: 0.1 Leather: 0.8	Textile: 0.05 Leather: 0.3	0.05	-	ND	mg/L
Chromium VI (Cr VI)	Various	Textile: 0.05 Leather: 0.15	Textile: 0.005 Leather: 0.05	Textile: 0.001 Leather: 0.02	0.001	-	ND	mg/L
Barium (Ba)	Various	Textile: Sample and report only			35	-	ND	mg/L
Selenium (Se)	Various	Textile: Sample and report only			0.5	-	ND	mg/L
Tin (Sn)	Various	Textile: Sample and report only			0.1	-	ND	mg/L

Remark

ND = Not detected
 NA = Not applicable
 - = Not required to be tested
 # = Non accredited parameter

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

3. Alkylphenol (AP) & Alkylphenol Ethoxylates (APEOs): including all isomers

NP/OP: With reference to ISO 18857-2 (Modified dichloromethane extraction) or ASTM D7065 (GC-MS or LC-MS(-MS))

NPEO / OPEO: With reference to ISO 18857-2 or ASTM D7742

Test items	CAS no.	Reporting Limit (Textile and Leather)	Result		Unit
			Untreated wastewater	Effluent	
Octylphenol (OP)	140-66-9/ 1806-26-4/ 27193-28-8	5	ND	-	µg/L
Nonylphenol (NP)	104-40-5/ 11066-49-2/ 25154- 52-3/84852-15-3	5	ND	-	µg/L
Octylphenoethoxylates (OPEOs)	9002-93-1/9036-19-5/68987-90- 6	5	ND	-	µg/L
Nonylphenoethoxylates (NPEOs)	9016-45-9/26027-38-3/ 37205- 87-1/68412-54-4/127087-87-0	5	ND	-	µg/L

4. Anti- Microbials & Biocides

o-Phenylphenol (+salts): With reference to BS EN 12673-1999, USEPA 8270 E or Solvent extraction, derivatization with KOH, acetic anhydride followed by GC-MS

Triclosan: With reference to BS EN 12673-1999, USEPA 8270 E or Solvent extraction, derivatization with KOH, acetic anhydride followed by GC-MS

Permethrin: With reference to ISO 14154:2005, USEPA 8270 E, Solvent extraction followed by GC-MS or An alternative method, without derivatization and determination by LC-MS / LC-MS/MS

Test items	CAS no.	Reporting Limit (Textile)	Result		Unit
			Untreated wastewater	Effluent	
o-Phenylphenol (+salts)	90-43-7	100	ND	-	µg/L
Triclosan	3380-34-5	100	ND	-	µg/L
Permethrin	Various	500	ND	-	µg/L

5. Chlorinated Paraffins

MCCPs: Preparation: With reference to USEPA 3510. Analysis: With reference to ISO 18219-2:2021 or Method for MCCP with GC-MS(NCI) or LC-MS/MS.

SCCPs: Preparation: With reference to USEPA 3510. Analysis: With reference to ISO 12010:2019, ISO 18219-1:2021 or Method for SCCP with GC-MS(NCI) or LC-MS/MS

Test items	CAS no.	Reporting Limit (Textile)	Result		Unit
			Untreated wastewater	Effluent	
Short chain chlorinated paraffins (C10-C13)	85535-84-8	5	ND	-	µg/L
Medium-chain Chlorinated Paraffins (MCCPs) (C14-C17)	85535-85-9	5	ND	-	µg/L

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

6. Chlorobenzenes & Chlorotoluenes

With reference to USEPA 8260 D, USEPA 8270 E, Purge and Trap, Headspace or Dichloromethane extraction followed by GC-MS

Test items	CAS no.	Reporting Limit (Textile and Leather)	Result		Unit
			Untreated wastewater	Effluent	
Monochlorobenzenes	108-90-7	0.2	ND	-	µg/L
1,2-Dichlorobenzene	95-50-1	0.2	ND	-	µg/L
1,3-Dichlorobenzene	541-73-1	0.2	ND	-	µg/L
1,4-Dichlorobenzene	106-46-7	0.2	ND	-	µg/L
1,2,3-Trichlorobenzene	87-61-6	0.2	ND	-	µg/L
1,2,4-Trichlorobenzene	120-82-1	0.2	ND	-	µg/L
1,3,5-Trichlorobenzene	108-70-3	0.2	ND	-	µg/L
1,2,3,4-Tetrachlorobenzene	634-66-2	0.2	ND	-	µg/L
1,2,3,5-Tetrachlorobenzene	634-90-2	0.2	ND	-	µg/L
1,2,4,5-Tetrachlorobenzene	95-94-3	0.2	ND	-	µg/L
Pentachlorobenzene	608-93-5	0.2	ND	-	µg/L
Hexachlorobenzene	118-74-1	0.2	ND	-	µg/L
2-Chlorotoluene	95-49-8	0.2	ND	-	µg/L
3-Chlorotoluene	108-41-8	0.2	ND	-	µg/L
4-Chlorotoluene	106-43-4	0.2	ND	-	µg/L
2,3-Dichlorotoluene	32768-54-0	0.2	ND	-	µg/L
2,4-Dichlorotoluene	95-73-8	0.2	ND	-	µg/L
2,5-Dichlorotoluene	19398-61-9	0.2	ND	-	µg/L
2,6-Dichlorotoluene	118-69-4	0.2	ND	-	µg/L
3,4-Dichlorotoluene	95-75-0	0.2	ND	-	µg/L
3,5-Dichlorotoluene	25186-47-4	0.2	ND	-	µg/L
2,3,4-Trichlorotoluene	7359-72-0	0.2	ND	-	µg/L
2,3,6-Trichlorotoluene	2077-46-5	0.2	ND	-	µg/L
2,4,5-Trichlorotoluene	6639-30-1	0.2	ND	-	µg/L
2,4,6-Trichlorotoluene	23749-65-7	0.2	ND	-	µg/L
3,4,5-Trichlorotoluene	21472-86-6	0.2	ND	-	µg/L
2,3,4,5-Tetrachlorotoluene	76057-12-0	0.2	ND	-	µg/L
2,3,5,6-Tetrachlorotoluene	29733-70-8	0.2	ND	-	µg/L
2,3,4,6-Tetrachlorotoluene	875-40-1	0.2	ND	-	µg/L
Pentachlorotoluene	877-11-2	0.2	ND	-	µg/L

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

7. Chlorophenols

With reference to BS EN 12673-1999, USEPA 8270 E or Solvent extraction, derivatization with KOH, acetic anhydride followed by GC-MS

Test items	CAS no.	Reporting Limit (Textile and Leather)	Result		Unit
			Untreated wastewater	Effluent	
2-Chlorophenol	95-57-8	0.5	ND	-	µg/L
3-Chlorophenol	108-43-0	0.5	ND	-	µg/L
4-Chlorophenol	106-48-9	0.5	ND	-	µg/L
2,3-Dichlorophenol	576-24-9	0.5	ND	-	µg/L
2,4-Dichlorophenol	120-83-2	0.5	ND	-	µg/L
2,5-Dichlorophenol	583-78-8	0.5	ND	-	µg/L
2,6-Dichlorophenol	87-65-0	0.5	ND	-	µg/L
3,4-Dichlorophenol	95-77-2	0.5	ND	-	µg/L
3,5-Dichlorophenol	591-35-5	0.5	ND	-	µg/L
2,3,4-Trichlorophenol	15950-66-0	0.5	ND	-	µg/L
2,3,5-Trichlorophenol	933-78-8	0.5	ND	-	µg/L
2,3,6-Trichlorophenol	933-75-5	0.5	ND	-	µg/L
2,4,5-Trichlorophenol	95-95-4	0.5	ND	-	µg/L
2,4,6-Trichlorophenol	88-06-2	0.5	ND	-	µg/L
3,4,5-Trichlorophenol	609-19-8	0.5	ND	-	µg/L
2,3,5,6-Tetrachlorophenol	935-95-5	0.5	ND	-	µg/L
2,3,4,6-Tetrachlorophenol	58-90-2	0.5	ND	-	µg/L
2,3,4,5-Tetrachlorophenol	4901-51-3	0.5	ND	-	µg/L
Pentachlorophenol PCP	87-86-5	0.5	ND	-	µg/L

8. N,N-di-methylformamide (DMFa)

With reference to USEPA 8015 or USEPA 8270 E

Test item	CAS no.	Reporting Limit (Textile)	Result		Unit
			Untreated wastewater	Effluent	
N,N-di-methylformamide (DMFa)	68-12-2	1000 (Sample and Report only for mock leather)	ND(S)	-	µg/L

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

9. Dyes - Carcinogenic or Equivalent Concern

With reference to Liquid extraction followed by LC-MS

Test items	CAS no.	Reporting Limit (Textile and Leather)	Result		Unit
			Untreated wastewater	Effluent	
C.I. Direct Black 38	1937-37-7	500	ND	-	µg/L
C.I. Direct Blue 6	2602-46-2	500	ND	-	µg/L
C.I. Acid Red 26	3761-53-3	500	ND	-	µg/L
C.I. Basic Red 9	569-61-9	500	ND	-	µg/L
C.I. Direct Red 28	573-58-0	500	ND	-	µg/L
C.I. Basic Violet 14	632-99-5	500	ND	-	µg/L
C.I. Disperse Blue 1	2475-45-8	Textile: 500	ND	-	µg/L
C.I. Disperse Blue 3	2475-46-9	Textile: 500	ND	-	µg/L
C.I. Basic Blue 26 (with Michler's Ketone > 0.1%)	2580-56-5	500	ND	-	µg/L
C.I. Basic Green 4 (malachite green chloride)	569-64-2	500	ND	-	µg/L
C.I. Basic Green 4 (malachite green oxalate)	2437-29-8	500	ND	-	µg/L
C.I. Basic Green 4 (malachite green)	10309-95-2	500	ND	-	µg/L
Disperse Orange 11	82-28-0	Textile: 500	ND	-	µg/L
Basic violet 3 with >0.1% of Michler's Ketone*	548-62-9	500	ND	-	µg/L
C.I. Acid Violet 49	1694-09-3	500	ND	-	µg/L

*Reported concentration refers to the dye part only

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

10. Dyes - Disperse (Allergenic)

With reference to Liquid extraction followed by LC-MS

Test Items	CAS no.	Reporting Limit (Textile)	Result		Unit
			Untreated wastewater	Effluent	
Disperse Yellow 1	119-15-3	50	ND	-	µg/L
Disperse Blue 102	12222-97-8	50	ND	-	µg/L
Disperse Blue 106	12223-01-7	50	ND	-	µg/L
Disperse Yellow 39	12236-29-2	50	ND	-	µg/L
Disperse Orange 37/59/76	13301-61-6	50	ND	-	µg/L
Disperse Brown 1	23355-64-8	50	ND	-	µg/L
Disperse Orange 1	2581-69-3	50	ND	-	µg/L
Disperse Yellow 3	2832-40-8	50	ND	-	µg/L
Disperse Red 11	2872-48-2	50	ND	-	µg/L
Disperse Red 1	2872-52-8	50	ND	-	µg/L
Disperse Red 17	3179-89-3	50	ND	-	µg/L
Disperse Blue 7	3179-90-6	50	ND	-	µg/L
Disperse Blue 26	3860-63-7	50	ND	-	µg/L
Disperse Yellow 49	54824-37-2	50	ND	-	µg/L
Disperse Blue 35	12222-75-2	50	ND	-	µg/L
Disperse Blue 124	61951-51-7	50	ND	-	µg/L
Disperse Yellow 9	6373-73-5	50	ND	-	µg/L
Disperse Orange 3	730-40-5	50	ND	-	µg/L
Disperse Blue 35	56524-77-7	50	ND	-	µg/L

11. Dyes - Navy Blue Colourant

With reference to Liquid extraction followed by LC-MS

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result		Unit
			Untreated wastewater	Effluent	
Component 1: C39H23Cl-CrN7O12S 2Na	118685-33-9	500	ND	-	µg/L
Component 2: C46H-30CrN10O20S2 3Na	Not Allocated	500	ND	-	µg/L

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

12. Flame retardants

Boric acid, Diboron trioxide, Disodium octaborate, Disodium tetraborate anhydrous, Tetraboron disodium heptaoxide, hydrate: ISO 17294, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)

Others: With reference to ISO 22032, USEPA 527, USEPA 8270 E, USEPA 8321 B or Dichloromethane extraction followed by GC-MS or LC-MS(-MS)

Test Items	CAS no.	Reporting Limit	Result		Unit
			Untreated wastewater	Effluent	
Decabromodiphenyl ether (DecaBDE)	1163-19-5	Textile: 25 Leather: 5	ND	-	µg/L
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	Textile: 25 Leather: 5	ND	-	µg/L
Octabromodiphenyl ether (OctaBDE)	32536-52-0	Textile: 25 Leather: 5	ND	-	µg/L
Tris(1-aziridinylphosphine oxide) (TEPA)	545-55-1	Textile: 25 Leather: 5	ND	-	µg/L
Polybromobiphenyls (PBBs)	59536-65-1	Textile: 25 Leather: 5	ND	-	µg/L
Tris(2,3-dibromopropyl phosphate) (TRIS)	126-72-7	Textile: 25 Leather: 5	ND	-	µg/L
Tetrabromobisphenol A (TBBPA)	79-94-7	Textile: 25 Leather: 5	ND	-	µg/L
Bis(2,3-dibromopropyl) phosphate	5412-25-9	Textile: 25 Leather: 5	ND	-	µg/L
Hexabromocyclododecane (HBCDD)	3194-55-6	Textile: 25 Leather: 5	ND	-	µg/L
2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	Textile: 25 Leather: 5	ND	-	µg/L
Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	Textile: 25 Leather: 5	ND	-	µg/L
Decabromobiphenyl (DecaBB)	13654-09-6	Textile: 25	ND	-	µg/L
Dibromobiphenyls (DiBB)	Multiple	Textile: 25	ND	-	µg/L
Octabromobiphenyls (OctaBB)	Multiple	Textile: 25	ND	-	µg/L
Dibromopropylether	21850-44-2	Textile: 25	ND	-	µg/L
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	Textile: 25	ND	-	µg/L
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	Textile: 25	ND	-	µg/L
Monobromobiphenyls (MonoBB)	Multiple	Textile: 25	ND	-	µg/L
Monobromodiphenylethers (MonoBDEs)	Multiple	Textile: 25	ND	-	µg/L
Nonabromobiphenyls (NonaBB)	Multiple	Textile: 25	ND	-	µg/L
Nonabromodiphenyl ether (NonaBDE)	63936-56-1	Textile: 25	ND	-	µg/L
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	Textile: 25	ND	-	µg/L
Tribromodiphenylethers (TriBDEs)	Multiple	Textile: 25	ND	-	µg/L
Boric acid	10043-35-3 11113-50-1	Textile: 100*	ND (ND) **	-	µg/L
Diboron trioxide	1303-86-2	Textile: 100*	ND (ND) **	-	µg/L
Disodium octaborate	12008-41-2	Textile: 100*	ND (ND) **	-	µg/L
Disodium tetraborate anhydrous	1303-96-4 1330-43-4	Textile: 100*	ND (ND) **	-	µg/L
Tetraboron disodium heptaoxide, hydrate	12267-73-1	Textile: 100*	ND (ND) **	-	µg/L

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	Textile: 25 Leather: 5	ND	-	µg/L
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	Textile: 25 Leather: 5	ND	-	µg/L

* Limit refers to elemental boron, not the salt.

**Result in term of elemental boron (Result in term of the corresponding boron salt)

13. Glycols/Glycol Ethers

With reference to USEPA 8270 E or Liquid extraction followed by LC-MS or GC-MS

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result		Unit
			Untreated wastewater	Effluent	
Bis(2-methoxyethyl)-ether	111-96-6	50	ND	-	µg/L
2-ethoxyethanol	110-80-5	50	ND	-	µg/L
2-ethoxyethyl acetate	111-15-9	50	ND	-	µg/L
Ethylene glycol dimethyl ether	110-71-4	50	ND	-	µg/L
2-methoxyethanol	109-86-4	50	ND	-	µg/L
2-methoxyethylacetate	110-49-6	50	ND	-	µg/L
2-methoxypropylacetate	70657-70-4	50	ND	-	µg/L
Triethylene glycol dimethyl ether	112-49-2	50	ND	-	µg/L

14. Halogenated solvents

With reference to USEPA 8260 D, Purge and Trap or Headspace followed by GC-MS

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result		Unit
			Untreated wastewater	Effluent	
1,2-Dichloroethane	107-06-2	1	ND	-	µg/L
Methylene chloride	75-09-2	1	ND	-	µg/L
Trichloroethene	79-01-6	1	ND	-	µg/L
Tetrachloroethene	127-18-4	1	ND	-	µg/L

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

15. Organotin compounds

TeET: With reference to ISO 17353

Others: With reference to ISO 17353 or Derivatization with NaB(C₂H₅)₄ followed by GC-MS

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result		Unit
			Untreated wastewater	Effluent	
Tricyclohexyltin (TCyHT)	Various	0.01	ND	-	µg/L
Tripropyltin (TPT)	Various	0.01	ND	-	µg/L
Dipropyltin compounds (DPT)	Various	0.01	ND	-	µg/L
Tetrabutyltin compounds (TeBT)	Various	0.01	ND	-	µg/L
Tetraoctyltin compounds (TeOT)	Various	0.01	ND	-	µg/L
Tetraethyltin Compounds (TeET)	Various	0.01	ND	-	µg/L
Mono-, di-and tri-octyltin derivatives	Various	0.01	ND	-	µg/L
Monooctyltin (MOT)	15231-57-9	0.01	ND	-	µg/L
Diocyltin (DOT)	94410-05-6, 12531-44-4	0.01	ND	-	µg/L
Triocyltin (TOT)	Various	0.01	ND	-	µg/L
Mono-, di-and tri-methyltin derivatives	Various	0.01	ND	-	µg/L
Monomethyltin (MMT)	Various	0.01	ND	-	µg/L
Dimethyltin (DMT)	Various	0.01	ND	-	µg/L
Trimethyltin (TMT)	Various	0.01	ND	-	µg/L
Mono-, di-and tri-butyltin derivatives	Various	0.01	ND	-	µg/L
Monobutyltin (MBT)	1118-46-3, 78763-54-9	0.01	ND	-	µg/L
Dibutyltin (DBT)	1002-53-5	0.01	ND	-	µg/L
Tributyltin (TBT)	56573-85-4	0.01	ND	-	µg/L
Mono-, di-and tri-phenyltin derivatives	Various	0.01	ND	-	µg/L
Monophenyltin (MPhT)	Various	0.01	ND	-	µg/L
Diphenyltin (DPhT)	Various	0.01	ND	-	µg/L
Triphenyltin (TPhT)	892-20-6, 668-34-8	0.01	ND	-	µg/L

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

16. Other/Miscellaneous Chemicals

AEEA [2-(2-aminoethylamino) ethanol]: With reference to Liquid extraction followed by LC-MS/MS

Bisphenol A: With reference to Liquid extraction followed by LC-MS

Thiourea: With reference to Liquid extraction followed by LC-MS

Quinoline: With reference to Liquid extraction followed by LC-MS

Borate, zinc salt: ISO 17294, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)

Test Items	CAS no.	Reporting Limit (Textile)	Result		Unit
			Untreated wastewater	Effluent	
AEEA [2-(2-aminoethylamino) ethanol]	111-41-1	500	ND	-	µg/L
Bisphenol A	80-05-7	10	ND	-	µg/L
Thiourea	62-56-6	50	ND	-	µg/L
Quinoline	91-22-5	50	ND	-	µg/L
Borate, zinc salt	12767-90-7	100*	B: ND (ND) ** Zn: ND (ND) **	-	µg/L

* Limit refers to boron and zinc individually, not the salt.

** Result in term of elemental boron / zinc (Result in term of the corresponding boron / zinc salt)

17. Perfluorinated and Polyfluorinated Chemicals (PFCs)

PFCs: With reference to USEPA 537:2020 followed by LC-MS(-MS)

FTOH: With reference to BS EN 12673-1999, USEPA 8270 E or Derivatization with acetic anhydride followed by GC-MS

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result		Unit
			Untreated wastewater	Effluent	
Perfluoro-octane-sulfonic acid (PFOS)*	1763-23-1	0.01	ND	-	µg/L
Perfluoro-octanoic acid (PFOA)**	335-67-1	0.01	ND	-	µg/L
Perfluoro-octane-sulfon-amide (PFOSA)	754-91-6	0.01	ND	-	µg/L
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)	27905-45-9	1	ND	-	µg/L
1H,1H,2H,2H-Perfluorodecanol (8:2 FTOH)	678-39-7	1	ND	-	µg/L
N-Methyl-perfluoro-octane-sulfon-amido-ethanol (N-Me-FOSE)	24448-09-7	0.01	ND	-	µg/L
N-Ethyl-Perfluoro-octane-sulfon-amido-ethanol (N-Et-FOSE)	1691-99-2	0.01	ND	-	µg/L
N-Methyl-perfluoro-octane-sulfon-amide (N-Me-FOSA)	31506-32-8	0.01	ND	-	µg/L
N-Ethyl-perfluoro-octane-sulfon-amide (N-Et-FOSA)	4151-50-2	0.01	ND	-	µg/L
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	1	ND	-	µg/L
Methyl Perfluorooctanoate (Me-PFOA)	376-27-2	1	ND	-	µg/L
Ethyl Perfluorooctanoate (Et-PFOA)	3108-24-5	1	ND	-	µg/L
8:2 Fluorotelomer methacrylate (8:2 FTMA)	1996-88-9	1	ND	-	µg/L

 * PFOS refer to its salts/derivative including PFOS-K (CAS No.: 2795-39-3), PFOS-Li (CAS No.: 29457-72-5), PFOS-NH₄ (CAS No.: 29081-56-9), PFOS-NH(OH)₂ (CAS No.: 70225-14-8), PFOS-N(C₂H₅)₄ (CAS No.: 56773-42-3) and POSF (CAS No.: 307-35-7)

** PFOA refer to its salts including PFOA-Na (CAS No.: 335-95-5), PFOA-K (CAS No.: 2395-00-8), PFOA-Ag (CAS No.: 335-93-3), PFOA-F (CAS No.: 335-66-0) and APFO (CAS No.: 3825-26-1)

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

18. Phthalates – including all other esters of ortho-phthalic acid

With reference to USEPA 8270 E, ISO 18856 or Dichloromethane extraction followed by GC-MS

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result		Unit
			Untreated wastewater	Effluent	
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	10	ND	-	µg/L
Dimethoxyethyl phthalate (DMEP)	117-82-8	10	ND	-	µg/L
Di-n-octyl phthalate (DNOP)	117-84-0	10	ND	-	µg/L
Di-iso-decyl phthalate (DIDP)	26761-40-0	10	ND	-	µg/L
Di-iso-nonyl phthalate (DINP)	28553-12-0	10	ND	-	µg/L
Di-n-hexyl phthalate (DnHP)	84-75-3	10	ND	-	µg/L
Dibutyl phthalate (DBP)	84-74-2	10	ND	-	µg/L
Butyl benzyl phthalate (BBP)	85-68-7	10	ND	-	µg/L
Dinonyl phthalate (DNP)	84-76-4	10	ND	-	µg/L
Diethyl phthalate (DEP)	84-66-2	10	ND	-	µg/L
Di-n-propyl phthalate (DPRP)	131-16-8	10	ND	-	µg/L
Di-iso-butyl phthalate (DIBP)	84-69-5	10	ND	-	µg/L
Di-cyclohexyl phthalate (DCHP)	84-61-7	10	ND	-	µg/L
Di-iso-octyl phthalate (DIOP)	27554-26-3	10	ND	-	µg/L
1,2-benzenedicarboxylic acid, di-C7-11- branched and linear alkyl esters (DHNUP)	68515-42-4, 68515-50-4	10	ND	-	µg/L
1,2-benzenedicarboxylic acid, di-C6-8 branched and linear alkyl esters, C7-rich (DIHP)	71888-89-6, 84777-06-0	10	ND	-	µg/L
Di-n-pentylphthalates	131-18-0	10	ND	-	µg/L
Diisopentylphthalates	605-50-5	10	ND	-	µg/L

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

19. Polycyclic aromatic hydrocarbons (PAHs)

With reference to DIN 38407-39, USEPA 8270 E or Solvent extraction followed by GC-MS

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result		Unit
			Untreated wastewater	Effluent	
Benzo(a)pyrene (BaP)	50-32-8	1	ND	-	µg/L
Anthracene	120-12-7	1	ND	-	µg/L
Pyrene	129-00-0	1	ND	-	µg/L
Benzo(ghi)perylene	191-24-2	1	ND	-	µg/L
Benzo(e)pyrene	192-97-2	1	ND	-	µg/L
Indeno (1,2,3-cd)pyrene	193-39-5	1	ND	-	µg/L
Benzo(j)fluoranthene	205-82-3	1	ND	-	µg/L
Benzo(b)fluoranthene	205-99-2	1	ND	-	µg/L
Fluoranthene	206-44-0	1	ND	-	µg/L
Benzo(k)fluoranthene	207-08-09	1	ND	-	µg/L
Acenaphthylene	208-96-8	1	ND	-	µg/L
Chrysene	218-01-9	1	ND	-	µg/L
Dibenz(a,h)anthracene	53-70-3	1	ND	-	µg/L
Benzo(a)anthracene	56-55-3	1	ND	-	µg/L
Acenaphthene	83-32-9	1	ND	-	µg/L
Phenanthrene	85-01-8	1	ND	-	µg/L
Fluorene	86-73-7	1	ND	-	µg/L
Naphthalene	91-20-3	1	ND	-	µg/L

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

20. Restricted Aromatic Amines (Cleavable from Azo-colourants)

With reference to USEPA 8270 E or Reduction step with sodium dithionite, solvent extraction followed by GC-MS and LC-MS/MS

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result		Unit
			Untreated wastewater	Effluent	
4,4'-Methylene-bis(2-chloroaniline)	101-14-4	0.1	ND	-	µg/L
4,4'-Diaminodiphenylmethane	101-77-9	0.1	ND	-	µg/L
4,4'-Oxydianiline	101-80-4	0.1	ND	-	µg/L
4-Chloroaniline	106-47-8	0.1	ND	-	µg/L
3,3'-Dimethoxybenzidine	119-90-4	0.1	ND	-	µg/L
3,3'-Dimethylbenzidine	119-93-7	0.1	ND	-	µg/L
p-Cresidine	120-71-8	0.1	ND	-	µg/L
2,4,5-Trimethylaniline	137-17-7	0.1	ND	-	µg/L
4,4'-Thiodianiline	139-65-1	0.1	ND	-	µg/L
4-Aminoazobenzene	60-09-3	0.1	ND	-	µg/L
2,4-Diaminoaniline	615-05-4	0.1	ND	-	µg/L
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	0.1	ND	-	µg/L
2,6-Xylidine	87-62-7	0.1	ND	-	µg/L
o-Anisidine	90-04-0	0.1	ND	-	µg/L
2-Naphthylamine	91-59-8	0.1	ND	-	µg/L
3,3'-Dichlorobenzidine	91-94-1	0.1	ND	-	µg/L
4-Aminobiphenyl	92-67-1	0.1	ND	-	µg/L
Benzidine	92-87-5	0.1	ND	-	µg/L
o-Toluidine	95-53-4	0.1	ND	-	µg/L
2,4-Xylidine	95-68-1	0.1	ND	-	µg/L
4-Chloro-o-toluidine	95-69-2	0.1	ND	-	µg/L
2,4-Diaminotoluene	95-80-7	0.1	ND	-	µg/L
o-Aminoazotoluene	97-56-3	0.1	ND	-	µg/L
5-Nitro-o-toluidine	99-55-8	0.1	ND	-	µg/L
2-Naphthylammoniumacetate	553-00-4	0.1	ND	-	µg/L
2,4,5-trimethylaniline hydrochloride	21436-97-5	0.1	ND	-	µg/L
4-chloro-o-toluidinium chloride	3165-93-3	0.1	ND	-	µg/L
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoaniline sulphate	39156-41-7	0.1	ND	-	µg/L

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

21. UV Absorbers

With reference to ISO 22032, USEPA 527, USEPA 8270 E, USEPA 8321 B or Dichloromethane extraction followed by GC-MS or LC-MS(-MS)

Test Items	CAS no.	Reporting Limit (Textile)	Result		Unit
			Untreated wastewater	Effluent	
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	100	ND	-	µg/L
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	100	ND	-	µg/L
2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320)	3846-71-7	100	ND	-	µg/L
2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl) phenol (UV-327)	3864-99-1	100	ND	-	µg/L

22. Volatile organic compounds (VOCs)

Benzene: With reference to ISO 11423-1, ISO 20595, USEPA 8260 D, Purge and Trap or Headspace followed by GC-MS

m-cresol / o-cresol / p-cresol: With reference to BS EN 12637-1999, ISO 11423-1, USEPA 8270 E, Purge and Trap or Headspace followed by GC-MS

Xylene: With reference to ISO 11423-1, USEPA 8260 D, Purge and Trap or Headspace followed by GC-MS

Toluene: With reference to ISO 11423-1, USEPA 8260 D or HJ 1067

Test Items	CAS no.	Reporting Limit	Result		Unit
			Untreated wastewater	Effluent	
Benzene	71-43-2	Textile and Leather: 1	ND	-	µg/L
Xylene	1330-20-7	Textile: 1	ND	-	µg/L
o-cresol	95-48-7	Textile and Leather: 1	ND	-	µg/L
p-cresol	106-44-5	Textile and Leather: 1	ND	-	µg/L
m-cresol	108-39-4	Textile and Leather: 1	ND	-	µg/L
Toluene	108-88-3	Textile: 1 (Sample and Report only for mock leather)	ND	-	µg/L

Remark

ND = Not detected

NA = Not applicable

- = Not required to be tested

(S) = The analysis was subcontracted to SGS India Private Limited, lab Reference no. 1442009464 for testing.

SLUDGE

23. Sludge Parameters - Step 1 – Conventional

pH: USEPA 9045 D or HJ 962

% Solids: USEPA 160.3 or HJ 613 at 105°C

Paint Filter Test: USEPA SW-846 or USEPA 9095 B

Fecal Coliform: USEPA 1681

Test Items	CAS no.	Limit							Reporting Limit	Result	Unit
		Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G		Sludge	
pH	-	Sample and Report Only	Sample and Report Only	5-11	5-11	5-11	6.5-9	6.5-9	-	6.7	-
% Solids	-	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	-	12.30	%
Paint Filter Test	-	Sample and Report Only	Sample and Report Only	Sample and Report Only	Pass	Pass	Pass	Sample and Report Only	-	Pass	-
Fecal Coliform	-	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	1000	1000	1000	ND	MPN/g

24. Sludge Parameters – Step 1 – Anions

Preparation: USEPA 9013

Analysis: USEPA 9014, USEPA 9213 or HJ 745

Test Items	CAS no.	Limit – Dry weight							Reporting Limit (Textile)	Result	Unit
		Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G		Sludge	
Cyanide	-	Sample and Report Only	Sample and Report Only	100	85	70	70	70	20	ND	mg/kg

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

25. Sludge Parameters – Step 1 – Metals

Sb, As, Cr, Co, Cd, Cu, Pb, Ni, Zn: Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803

Cr VI: Preparation: USEPA 3060 A Analysis: USEPA 7196 or USEPA 7199

Ba, Se, Ag: Preparation: USEPA 3050 Analysis: USEPA 6010 D or USEPA 6020 B

Hg: Preparation: option 1: USEPA 7471 B option 2: USEPA 3051 A Analysis: option 1: USEPA 7471 B, option 2: USEPA 6020 B or GB/T 22105.1 or HJ 923

Test Items	CAS no.	Limit – Dry weight		Reporting Limit	Result	Unit
		Total Metals Threshold Values*	Max Total Metals limit for Pathway G			
Arsenic (As)	Various	10	75	Textile: 5 Leather 2	ND	mg/kg
Cadmium (Cd)	Various	3	85	Textile: 1 Leather 2	ND	mg/kg
Mercury (Hg)	Various	1	57	Textile: 1 Leather 0.2	ND	mg/kg
Lead (Pb)	Various	10	840	Textile: 5 Leather 2	ND	mg/kg
Antimony (Sb)	Various	12	Sample and Report Only	Textile: 5	ND	mg/kg
Cobalt (Co)	Various	1600	Sample and Report Only	Textile: 400	ND	mg/kg
Nickel (Ni)	Various	70	420	Textile: 20	ND	mg/kg
Silver (Ag)	Various	100	Sample and Report Only	Textile: 50	ND	mg/kg
Copper (Cu)	Various	200	4300	Textile: 50	ND	mg/kg
Zinc (Zn)	Various	1000	7500	Textile: 400	ND	mg/kg
Total Chromium (Cr)	Various	100	3000	Textile: 50	ND	mg/kg
Chromium VI (Cr VI)	Various	50	50	Textile: 20 Leather 2	ND	mg/kg
Barium (Ba)	Various	700	Sample and Report Only	Textile: 200	ND	mg/kg
Selenium (Se)	Various	10	100	Textile: 5	ND	mg/kg

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

26. Sludge Parameters - Step 1 - MRSL - Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers

NP/OP: Preparation: With reference to USEPA 3540 / 3541 - Soxhlet or USEPA 3550 - Ultrasonic

Analysis: With reference to ISO 18857-2 or ASTM D7065

NPEO/OPEO: Preparation: With reference to USEPA 3540 / 3541 - Soxhlet or USEPA 3550 - Ultrasonic

Analysis: With reference to ISO 18254-1, ISO 18857-2 or ASTM D7065

Test Items	CAS no.	Limit – Dry weight							Reporting Limit (Textile and Leather)	Result	Unit
		Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G		Sludge	
Octylphenol (OP)	140-66-9/ 1806-26-4/ 27193-28-8	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.4	0.4	0.4	0.4	0.4	ND	mg/kg
Nonylphenol (NP)	104-40-5/ 11066-49-2/ 25154-52-3/ 84852-15-3	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.4	0.4	0.4	0.4	0.4	ND	mg/kg
Octylphenoethoxylates (OPEOs)	9002-93-1/ 9036-19-5/ 68987-90-6	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.4	0.4	0.4	0.4	0.4	ND	mg/kg
Nonylphenoethoxylates (NPEOs)	9016-45-9/ 26027-38-3/ 37205-87-1/ 68412-54-4/ 127087-87-0	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.4	0.4	0.4	0.4	0.4	ND	mg/kg

27. Sludge Parameters - Step 1 - MRSL – Polycyclic Aromatic Hydrocarbons (PAHs)

Preparation: With reference to USEPA 3540 / 3541 - Soxhlet or USEPA 3550 - Ultrasonic

Clean-up: With reference to USEPA 3640

Analysis: With reference to USEPA 8270 E or HJ 805-2016

Test Items	CAS no.	Limit – Dry weight							Reporting Limit (Textile)	Result	Unit
		Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G		Sludge	
Benzo(a)pyrene (BaP)	50-32-8	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Anthracene	120-12-7	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Pyrene	129-00-0	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Benzo(ghi)perylene	191-24-2	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Benzo(e)pyrene	192-97-2	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

		Report Only	Report Only	Report Only							
Indeno (1,2,3-cd)pyrene	193-39-5	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Benzo(j)fluoranthene	205-82-3	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Benzo(b)fluoranthene	205-99-2	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Fluoranthene	206-44-0	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Benzo(k)fluoranthene	207-08-09	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Acenaphthylene	208-96-8	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Chrysene	218-01-9	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Dibenz(a,h)anthracene	53-70-3	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Benzo(a)anthracene	56-55-3	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Acenaphthene	83-32-9	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Phenanthrene	85-01-8	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Fluorene	86-73-7	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Naphthalene	91-20-3	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

28. Sludge Parameters - Step 1 - MRSL – Chlorotoluenes

Preparation: With reference to USEPA 3540 / 3541 - Soxhlet or USEPA 3550 - Ultrasonic

Clean-up: With reference to USEPA 3640

Analysis: With reference to USEPA 8270 E or HJ 605

Test Items	CAS no.	Limit – Dry weight							Reporting Limit (Textile and Leather)	Result	Unit
		Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G		Sludge	
2-Chlorotoluene	95-49-8	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
3-Chlorotoluene	108-41-8	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
4-Chlorotoluene	106-43-4	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,3-Dichlorotoluene	32768-54-0	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,4-Dichlorotoluene	95-73-8	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,5-Dichlorotoluene	19398-61-9	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,6-Dichlorotoluene	118-69-4	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
3,4-Dichlorotoluene	95-75-0	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
3,5-Dichlorotoluene	25186-47-4	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,3,4-Trichlorotoluene	7359-72-0	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,3,6-Trichlorotoluene	2077-46-5	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,4,5-Trichlorotoluene	6639-30-1	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,4,6-Trichlorotoluene	23749-65-7	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
3,4,5-Trichlorotoluene	21472-86-6	Sample and Report	Sample and Report	Sample and Report	0.2	0.2	0.2	0.2	0.2	ND	mg/kg

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

		Only	Only	Only							
2,3,4,5-Tetrachlorotoluene	76057-12-0	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,3,5,6-Tetrachlorotoluene	29733-70-8	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
2,3,4,6-Tetrachlorotoluene	875-40-1	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg
Pentachlorotoluene	877-11-2	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2	0.2	0.2	0.2	0.2	ND	mg/kg

LEACHATE

29. Leachate Parameters - Step 2 – Metals

As, Cd, Cr, Pb, Sb, Ba, Co, Cu, Ni, Se, Ag, Zn: Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C or USEPA 6020 A

Cr (VI): Leachate Extraction: USEPA 1311 Analysis: ISO 18412, USEPA 7196 or USEPA 7199

Hg: Leachate Extraction: USEPA 1311 of USEPA 3051 A Analysis: ISO 12846, ISO 17852, USEPA 7471 B or USEPA 6020 B

Test Items	CAS no.	Limit							Reporting Limit	Result	
		Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G		Leachate	Unit
Arsenic (As)	Various	Sample and Report Only	Sample and Report Only	5	2.75	0.5	0.5	0.5	0.005	NA	mg/L
Cadmium (Cd)	Various	Sample and Report Only	Sample and Report Only	1	0.58	0.15	0.15	0.15	0.01	NA	mg/L
Mercury (Hg)	Various	Sample and Report Only	Sample and Report Only	0.2	0.125	0.05	0.05	0.05	0.001	NA	mg/L
Lead (Pb)	Various	Sample and Report Only	Sample and Report Only	5	2.75	0.5	0.5	0.5	0.01	NA	mg/L
Antimony (Sb)	Various	Sample and Report Only	Sample and Report Only	15	7.8	0.6	0.6	0.6	0.01	NA	mg/L
Cobalt (Co)	Various	Sample and Report Only	Sample and Report Only	80	80	80	80	80	0.01	NA	mg/L
Nickel (Ni)	Various	Sample and	Sample and	20	11.75	3.5	3.5	3.5	0.05	NA	mg/L

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

		Report Only	Report Only								
Silver (Ag)	Various	Sample and Report Only	Sample and Report Only	5	5	5	5	5	0.005	NA	mg/L
Copper (Cu)	Various	Sample and Report Only	Sample and Report Only	25	17.5	10	10	10	0.25	NA	mg/L
Zinc (Zn)	Various	Sample and Report Only	Sample and Report Only	250	150	50	50	50	0.1	NA	mg/L
Total Chromium (Cr)	Various	Sample and Report Only	Sample and Report Only	15	10	5	5	5	0.05	NA	mg/L
Chromium VI (Cr VI)	Various	Sample and Report Only	Sample and Report Only	5	3.75	2.5	2.5	2.5	0.001	NA	mg/L
Barium (Ba)	Various	Sample and Report Only	Sample and Report Only	100	67.5	35	35	35	35	NA	mg/L
Selenium (Se)	Various	Sample and Report Only	Sample and Report Only	1	0.75	0.5	0.5	0.5	0.5	NA	mg/L

Remark

ND = Not detected

NA = Not applicable

- = Not required to be tested

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

Annex A: Sampling photos & Sampling locations

PERSISTENT FOAM
Date & Time of Measurement: 06/02/2023 & 16:00
Sampling Location: Outlet


This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

Raw Waste Water

GPS Data: N 24°13.428' E 91°21.598'

SAMPLING LOCATION, CLOSE-UP VIEW



Treated Waste Water

GPS Data: N 24°13.376' E 91°21.585'

SAMPLING LOCATION, CLOSE-UP VIEW



SAMPLING LOCATION, FAR VIEW



SAMPLING LOCATION, FAR VIEW



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

Sludge

GPS Data: N 24°13.377' E 91°21.568'

SAMPLING LOCATION, CLOSE-UP VIEW



SAMPLING LOCATION, FAR VIEW



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023

Annex B: On-site Field Data Record Sheet

Water Sampling Record

Tracking no. 2302060012

Sampling Date: 06/02/2023

Client Name: PIONEER DENIM LTD


Lab received container temperature:

pH Meter: _____

Thermometer: _____

Water Types: BEFORE

No.	Sampling No.	Locations	Time	pH	Temperature (°C)	Sample Volume (L)	Containers	Characteristic Descriptions/Remarks
1	Phthalates+FR+ COC+FTOA/ FTOH	Before	19:30		2-8°C	2 L	2 (each 1 L)/Amber glass bottle with PTFE lined lid	
2	PAHs, Glycol	Before	19:31		2-8°C	1 L	1 (each 1 L)/Amber glass bottle with PTFE lined lid	
3	Disperse Dyes	Before	19:32		2-8°C	1 L	1 (each 1 L)/Amber glass bottle with PTFE lined lid	
4	Chlorophenols	Before	19:33		2-8°C	1 L	1 (each 1 L)/Amber glass bottle with PTFE lined lid	
5	Organotin Compounds	Before	19:35	HCl topH 2-3	2-8°C	2 L	2 (each 1 L)/Amber glass bottle with PTFE lined lid	
6	SCCP	Before	19:36		2-8°C	1 L	1 (each 1 L)/Amber glass bottle with PTFE lined lid	
7	Azo Dyes	Before	19:37		2-8°C	2 L	2 (each 1 L)/Amber glass bottle with PTFE lined lid	
8	PFCs	Before	19:38		2-8°C	2 L	2 (each 1 L)/Amber glass bottle with PTFE lined lid	

Sampling by: 

Checked by: 

Confirmed by Client: 



Effective Date: 03 May, 2015

Water Sampling Record

Tracking no. 2302060012

Sampling Date: 06/02/2023

Client Name: PIONEER DENIM LTD


Lab received container temperature:

pH Meter: _____

Thermometer: _____

Water Types: BEFORE

No.	Sampling No.	Locations	Time	pH	Temperature (°C)	Sample Volume (L)	Containers	Characteristic Descriptions/Remarks
9	Halogenated Solvent(VOC)	Before	19:40	HCL to pH<2	2-8°C	500ml	1 (each 500ml)/Amber glass bottle with PTFE lined lid	
10	AP/APEO	Before	19:41		2-8°C	2 L	2 (each 1 ltr)/Amber glass bottle with PTFE lined lid	
11	Anti Microbial & Biocides	Before	19:42		2-8°C	2 L	2 (each 1 ltr)/Amber glass bottle with PTFE lined lid	
12	DMFa	Before	19:43		2-8°C	500ml	1 (each 500ml)/Amber glass bottle with PTFE lined lid	
13	Heavy Metals	Before	19:44	HNO3 to pH<2	2-8°C	500 ml	1 (each 500ml)/Amber glass bottle with PTFE lined lid	
14	UV Absorbers	Before	19:45		2-8°C	1 L	1 (each 1 ltr)/Amber glass bottle with PTFE lined lid	

Sampling by: 

Checked by: 

Confirmed by Client: 



Effective Date: 03 May, 2015

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023



Water Sampling Record

Tracking no. 2302060012

Sampling Date: 06/02/2023

Client Name: PIONEER DENIM LTD

Lab received container temperature:

pH Meter: _____

Thermometer: _____

Water Types: AFTER

No.	Sampling No.	Locations	Time	pH	Temperature (°C)	Sample Volume (L)	Containers	Characteristic Descriptions/Remarks
1	TSS & TDS	After	07:05 13:05		2-8°C	500 ml	1 (each 500ml) Amber glass bottle with PTFE lined lid	
2	Heavy Metals	After	07:06 19:06	HNO3 to pH<2	2-8°C	250 ml	2 (each 250ml) Amber glass bottle with PTFE lined lid	
3	Cr(VI)	After	07:08 19:08	0.45µm filter in field, Ammonium sulfate buffer to pH 9.0-9.5	2-8°C	250 ml	1 (each 250ml) Amber glass bottle with PTFE lined lid	
4	Heavy Metals (Mercury)	After	19:09	HNO3 to pH<2	2-8°C	1 L	1 (each 1 L) Amber Glass bottle	
5	BOD	After	19:10		2-8°C	500 ml	1 (each 500ml) Amber glass bottle with PTFE lined lid	
6	COD	After	19:12	H2SO4 to pH<2	2-8°C	500 ml	1 (each 500ml) Amber glass bottle with PTFE lined lid	
7	E.coli	After	19:13	HNO3 to pH<2	2-8°C	1 L	1 (each 1 L) Amber Glass bottle	
8	Cyanide	After	19:15	0.1 ml 10% sodium thiosulfate, NaOH to pH>12	2-8°C	500 ml	3T Plastic bottle	

Sampling by:

Rid

Checked by:

[Signature]

Confirmed by Client:

[Signature]



Effective Date: 03 May, 2015



Water Sampling Record

Tracking no. 2302060012

Sampling Date: 06/02/2023

Client Name: PIONEER DENIM LTD

Lab received container temperature:

pH Meter: _____

Thermometer: _____

Water Types: AFTER

No.	Sampling No.	Locations	Time	pH	Temperature (°C)	Sample Volume (L)	Containers	Characteristic Descriptions/Remarks
9	Sulfite	After	19:16	Add 2 ml 2.5% EDTA Soln	2-8°C	500ml	2 (each 250ml) Amber glass bottle with PTFE lined lid	
10	Chloride & Sulfate	After	19:17		2-8°C	500ml	1 (each 500ml) Amber glass bottle with PTFE lined lid	
11	Total Phenolics	After	19:19	H2SO4 to pH<2	2-8°C	500ml	1 (each 500ml) Amber glass bottle with PTFE lined lid	
12	Ammonium-N + Total N+ Total-P	After	19:20	H2SO4 to pH<2	2-8°C	500ml	1 (each 500ml) Amber glass bottle with PTFE lined lid	
13	Oil & Grease	After	19:22	H2SO4 to pH<2	2-8°C	500ml	1 (each 500ml) Amber glass bottle with PTFE lined lid	
14	Sulfide	After	19:23	4 drops 2N Zinc acetate, NaOH> pH 9	2-8°C	250ml	2 (each 250ml) Amber glass bottle with PTFE lined lid	
15	AOX	After	19:25	0.1 ml 10% sodium thiosulfate H2SO4, pH<2	2-8°C	1 L	2 (each 500ml) Amber glass bottle	

Sampling by:

Rid

Checked by:

[Signature]

Confirmed by Client:

[Signature]



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report No.

DHK: TX: 2310003628

Date: 28/02/2023



Sludge Sampling Record

Tracking no. 2302060012

Sampling Date: 06/02/2023

Client Name: PIONEER DENIM LTD

Sample Types: Sludge

No.	Sampling No.	Locations	Time	Colour (Visual)	Sample Volume (L)	Containers	Sludge Location	Characteristic Descriptions/Remarks	GPS Tracking info.
1	Sludge	ETP	19:50	Black	1 kg	2	Storage tank		N = 24° 13' 37.7" E = 091° 21' 56.8"
Sludge Disposal pathway					If sludge not found, describe the reason				
<p>The WW Guideline defines seven ZDHC Disposal Pathways, they are:</p> <ul style="list-style-type: none"> • ZDHC Disposal Pathway A - Offsite Incineration at >1000oC • ZDHC Disposal Pathway B - Landfill with Significant Control Measures • ZDHC Disposal Pathway C - Building Products Processed at >1000oC • ZDHC Disposal Pathway D - Landfill with Limited Control Measures • ZDHC Disposal Pathway E - Offsite Incineration and Building Products Processed at <1000oC • ZDHC Disposal Pathway F - Landfills with No Control Measures • ZDHC Disposal Pathway G - Land Application 									
Sampling by:			Checked by:			Confirmed by Client:			
Effective Date: 03 May, 2015									

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Annex C: Limit according to regulation / Contract limit with centralized ETP (if proceed)

LOCAL WASTEWATER DISCHARGE REQUIREMENTS BASED ON The Environment Conservation Rules, 1997 (BANGLADESH LOCAL REGULATION-SCHEDULE-10)

The Environment Conservation Rules, 1997				
SCHEDULE-10 (inland surface water)				
Parameters	CAS No.		Effluent	
			Value	Unit
Cadmium (Cd)	7440-43-9	<	0.5	mg/L
Lead (Pb)	7439-92-1	<	0.1	mg/L
Mercury (Hg)	7439-97-6	<	0.01	mg/L
Nickel (Ni)	7440-02-0	<	1.0	mg/L
Hexavalent Chromium (Cr-VI)	18540-29-9	<	0.1	mg/L
Arsenic (As)	7440-38-2	<	0.2	mg/L
Chromium (Total Cr)	7440-47-3	<	0.5	mg/L
Copper (Cu)	7440-50-8	<	0.5	mg/L
Zinc (Zn)	7440-66-6	<	5	mg/L
Boron (B)	7440-42-8	<	2	mg/L
Selenium(Se)	7782-49-2	<	0.05	mg/L
BOD (5-day)	-	<	50	mg/L
COD	-	<	200	mg/L
TSS	-	<	150	mg/L
TDS	-	<	2100	mg/L
Cyanide	-	<	0.1	mg/L
Sulfide	-	<	1	mg/L
Oil and Grease	-	<	10	mg/L
Ammonia/Free ammonia (NH3-N)		<	5	mg/L
Chloride		<	600	mg/L
Fluoride		<	2	mg/L
Total Dissolved Solid		<	2100	mg/L
Dissolved Oxygen		<	4.5-8.0	mg/L
pH Value (min.)	-	-	6.0	-
pH Value (max.)	-	-	9.0	-

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.