

Date of sampling	04/11/2025
Reporting date	11/11/2025

Audit ID	35001	Audit firm	SGS TURKEY
Company name	GULLE ENTEGRE TEKSTIL ISLETMELERI EMLAK DAN.SAN.VE TIC.A.S.		
Contact person	FATMA YILDIZ		
Type of tax – tax ID no	4200018979		
Address	ERGENE 2 OSB MAH. D100 CD. NO:33 ERGENE - TEKIRDAG - 59870 - ERGENE		
Region state province	TEKIRDAG		
Town city / village	ERGENE		
Zip / Post code	59870		

Type of wastewater discharge	
Type of wastewater discharge	Indirect with Pre-Treatment (without Sludge)
Description of the discharge	Discharge to ERGENE-2 OSB Wastewater Treatment Plant
[If direct discharge] Temperature of receiving water body:	NA

Type of sludge disposal pathway	
Type of sludge disposal pathway	NA

Type of treatment*	
PRELIMINARY	<input type="checkbox"/> Screening/Sieving/Grit remover (< 6 mm) <input checked="" type="checkbox"/> Screening/Sieving/Grit remover (≥ 6 mm) <input checked="" type="checkbox"/> Homogenization tank <input type="checkbox"/> pH Correction <input type="checkbox"/> Other (please specify): Not Available
PRIMARY	<input type="checkbox"/> Coagulation/Flocculation <input type="checkbox"/> Dissolved air flotation (DAF) <input type="checkbox"/> Sedimentation tanks or Settler/Clarifier <input checked="" type="checkbox"/> Other (please specify): Not Available
SECONDARY/BIOLOGICAL	<input type="checkbox"/> Activated sludge process. Aerobic reactor <input type="checkbox"/> Biological Biofilm reactor (MBBR, SAF, RBC..) <input type="checkbox"/> Sequencing batch reactor (SBR) <input checked="" type="checkbox"/> Other (please specify): Not Available
TERTIARY	<input type="checkbox"/> Absorption with activated carbon <input type="checkbox"/> High rate filtration <input type="checkbox"/> Techniques (ozone, Fenton reaction, photo catalytic degradation...) <input checked="" type="checkbox"/> Other (please specify): Not Available

\*The information has been provided by the factory.

Sampler accreditation certification number (ZDHC):		ZDHC-A-22-E-C001068-R2332-FDC8E	
Sampling affiliate		SGS TURKEY	
Sample description			
	Simple	Composite	Comments
(1) Untreated wastewater	NO	YES - 10:00-16:00	NO
(2) Effluent	NO	YES - 9:45-15:45	NO

Internal description – Final Test Report	
Testing laboratory	SGS TURKEY
Internal codification number (report number)	TR2721833-01
Reference sample number (sample ID)	1) Untreated Wastewater 2) Effluent
Received on	05/11/2025
Analysis carried out from	05/11/2025 to 11/11/2025
Arrival temperature at lab	7,3 °C
Comments	/
Reporting date	11/11/2025

The test results relate to the tested items only.  
Test reports without SGS seal and authorized signatures are invalid.

Issued in Istanbul  
Signed for and on behalf of  
SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

Beyza Karanlık  
Customer Services Supervisor

Murat Öztaş  
Customer Services Team Leader



## Notes

SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.-Tüketici ve Perakende Laboratuvarı (Consumer and Retail) operating as ZDHC tests is accredited by TÜRKAK according to AB-690-T and ISO/IEC 17025:2017 standard.

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SGS applied shared risk decision rule.

SGS does not verify authenticity of any Brand/Trademark of products. Buyers must check if the product is genuine with the Brand/Trademark owner directly.

Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Unless further specified in an individual contract the sample(s) retention time is 30 days.

In this Test Report tests marked (1) are included in the TURKAK Accreditation Scope of this Laboratory.

Summary of test results		
Test items	Untreated wastewater	Effluent
Conventional Parameters and Anions	-	-
Heavy Metals	-	Fulfill Aspirational Limit
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers	ND	-
Anti- Microbials & Biocides	ND	-
Chlorinated Paraffins	ND	-
Chlorobenzenes & Chlorotoluenes	ND	-
Chlorophenols	ND	-
N,N-di-methylformamide (DMFa)	ND	-
Dyes – Carcinogenic or Equivalent Concern	ND	-
Dyes – Disperse (Allergenic)	ND	-
Flame Retardants	D	-
Glycols / Glycol Ethers	ND	-
Halogenated Solvents	ND	-
Organotin Compounds	ND	-
Other / Miscellaneous Chemicals	D	-
Perfluorinated and Polyfluorinated Chemicals (PFCs)	ND	-
Phthalates – including all other esters of ortho-phthalic acid	ND	-
Polycyclic Aromatic Hydrocarbons (PAHs)	D	-
Restricted Aromatic Amines (Cleavable from Azo-colourants)	ND	-
UV Absorbers	ND	-
VOCs	D	-

Sludge disposal pathway	
Comply sludge disposal pathway	NA

**Remark (Indicated in each parameter)**

ND = Not detected

D = Detected

NA = Not applicable

NC = Not conducted

- = Not required to be tested

@ = Maximum holding time exceeded

(T) = handling temperature exceeded

**Test results**

**Wastewater**

**1. Conventional Parameters and Anions**

Test Items	Test method	Limit			Reporting Limit	Result	Unit
		Foundational	Progressive	Aspirational		Effluent	
Wastewater Flowrate	-	-			NA	1724 (f)	m <sup>3</sup> /day

**Remark**

- ND = Not detected
- NA = Not applicable
- NC = Not conducted
- = Not required to be tested
- (f) = Parameter tested in field
- (S) = The analysis was subcontracted to xxxxx lab for testing.
- # = Non accredited parameter

**2. Heavy Metals<sup>1</sup>**

Cr (VI): SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 218.6) – Analysis by IC-UV

As: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 3051A, EPA 6020B) - Analysis by ICP-MS

Cd: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 3051A, EPA 6020B) - Analysis by ICP-MS

Pb: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 3051A, EPA 6020B) - Analysis by ICP-MS

Hg: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 3051A, EPA 6020B) - Analysis by ICP-MS

Test items	CAS no.	Limit			Reporting Limit	Result	Unit
		Foundational	Progressive	Aspirational		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
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

**Remark**

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D = Detected

NA = Not applicable

NC = Not conducted

- = Not required to be tested

@ = Maximum holding time exceeded

(f) = Parameter tested in field

(S) = The analysis was subcontracted to xxxxx lab for testing.

# = Non accredited parameter

(T) = handling temperature exceeded

**3. Alkylphenol (AP) & Alkylphenol Ethoxylates (APEOs): including all isomers<sup>1</sup>**

NP / OP: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from ISO 18254-1) - Analysis by LC- MS MS

NPEO / OPEO: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from ISO 18254-1) - Analysis by LC- MS MS / SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from ISO 18857-2) - Analysis by GC- MS

Test items	CAS no.	Reporting limit	Result	Unit
			Untreated Wastewater	
Nonylphenol ethoxylates (NPEO)	Multiple including: 9016-45-9 / 26027-38-3 / 37205-87-1 / 68412-54-4 / 127087-87-0	Textiles and Leather: 5	ND	µg/L
Nonylphenol (NP), mixed isomers	Multiple including: 104-40-5 / 11066-49-2 / 25154-52-3 / 84852-15-3	Textiles and Leather: 5	ND	µg/L
Octylphenol ethoxylates (OPEO)	Multiple including: 9002-93-1 / 9036-19-5 / 68987-90-6	Textiles and Leather: 5	ND	µg/L
Octylphenol (OP), mixed isomers	Multiple including: 140-66-9 / 1806-26-4 / 27193-28-8	Textiles and Leather: 5	ND	µg/L

**Remark**

1 µg/L = 0.001ppm

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**4. Anti- Microbials & Biocides<sup>1</sup>**

o-Phenylphenol (+salts): SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 3510C, ISO 18857-2) - Analysis by GC- MS

Triclosan: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 3510C, ISO 18857-2) - Analysis by GC- MS

Permethrin: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 3510C, ISO 18857-2) - Analysis by GC- MS

Test item	CAS no.	Reporting limit	Result	Unit
			Untreated Wastewater	
o-Phenylphenol (+salts)	90-43-7	Textiles: 100 Leather: Sample and Report Only	ND	µg/L
Triclosan	3380-34-5	Textiles and Leather: 100	ND	µg/L
Permethrin	Multiple including: 52645-53-1	Textiles and Leather: 500	ND	µg/L

**Remark**

1 µg/L = 0.001ppm

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NA = Not applicable

NC = Not conducted

- = Not required to be tested

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**5.Chlorinated Paraffins**

MCCPs: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from ISO 18219-1, ISO 18219-2) - Analysis by GC- NCI/MS

SCCPs: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from ISO 18219-1, ISO 18219-2) - Analysis by GC- NCI/MS

Test items	CAS no.	Reporting limit	Result	Unit
			Untreated Wastewater	
Medium-chain Chlorinated Paraffins (MCCPs) (C14-C17)	85535-85-9	Textiles and Leather: 500	ND	µg/L
Short-chain Chlorinated Paraffins (SCCPs) (C10-C13)	85535-84-8	Textiles and Leather: 25	ND	µg/L

**Remark**

- 1 µg/L = 0.001ppm
- ND = Not detected
- NA = Not applicable
- NC = Not conducted
- = Not required to be tested
- (S) = The analysis was performed by a subcontracted laboratory assessed as competent
- # = Non accredited parameter

**6.Chlorobenzenes & Chlorotoluenes<sup>1</sup>**

Chlorobenzenes &amp; Chlorotoluenes: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 8260D, EPA 8270E) - Analysis by GC-MS

Test item	CAS no.	Reporting limit	Result	Unit
			Untreated Wastewater	
1,2-Dichlorobenzene	95-50-1	Textiles and Leather: 0.2	ND	µg/L
Monochlorobenzene	108-90-7	Textiles and Leather: 0.2	ND	µg/L
1,3-Dichlorobenzene	541-73-1	Textiles and Leather: 0.2	ND	µg/L
1,4-Dichlorobenzene	106-46-7	Textiles and Leather: 0.2	ND	µg/L
1,2,3-Trichlorobenzene	87-61-6	Textiles and Leather: 0.2	ND	µg/L
1,2,4-Trichlorobenzene	120-82-1	Textiles and Leather: 0.2	ND	µg/L
1,3,5-Trichlorobenzene	108-70-3	Textiles and Leather: 0.2	ND	µg/L
1,2,3,4-Tetrachlorobenzene	634-66-2	Textiles and Leather: 0.2	ND	µg/L
1,2,3,5-Tetrachlorobenzene	634-90-2	Textiles and Leather: 0.2	ND	µg/L
1,2,4,5-Tetrachlorobenzene	95-94-3	Textiles and Leather: 0.2	ND	µg/L
Pentachlorobenzene	608-93-5	Textiles and Leather: 0.2	ND	µg/L
Hexachlorobenzene	118-74-1	Textiles and Leather: 0.2	ND	µg/L
2-Chlorotoluene	95-49-8	Textiles and Leather: 0.2	ND	µg/L
3-Chlorotoluene	108-41-8	Textiles and Leather: 0.2	ND	µg/L
4-Chlorotoluene	106-43-4	Textiles and Leather: 0.2	ND	µg/L
2,3-Dichlorotoluene	32768-54-0	Textiles and Leather: 0.2	ND	µg/L
2,4-Dichlorotoluene	95-73-8	Textiles and Leather: 0.2	ND	µg/L
2,5-Dichlorotoluene	19398-61-9	Textiles and Leather: 0.2	ND	µg/L
2,6-Dichlorotoluene	118-69-4	Textiles and Leather: 0.2	ND	µg/L
3,4-Dichlorotoluene	95-75-0	Textiles and Leather: 0.2	ND	µg/L
3,5-Dichlorotoluene	25186-47-4	Textiles and Leather: 0.2	ND	µg/L
2,3,4-Trichlorotoluene	7359-72-0	Textiles and Leather: 0.2	ND	µg/L
2,3,6-Trichlorotoluene	2077-46-5	Textiles and Leather: 0.2	ND	µg/L
2,4,5-Trichlorotoluene	6639-30-1	Textiles and Leather: 0.2	ND	µg/L
2,4,6-Trichlorotoluene	23749-65-7	Textiles and Leather: 0.2	ND	µg/L
3,4,5-Trichlorotoluene	21472-86-6	Textiles and Leather: 0.2	ND	µg/L
2,3,4,5-Tetrachlorotoluene	1006-32-2	Textiles and Leather: 0.2	ND	µg/L
2,3,4,6-Tetrachlorotoluene	875-40-1	Textiles and Leather: 0.2	ND	µg/L
2,3,5,6-Tetrachlorotoluene	1006-31-1	Textiles and Leather: 0.2	ND	µg/L
Pentachlorotoluene	877-11-2	Textiles and Leather: 0.2	ND	µg/L

**Remark**



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**7.Chlorophenols<sup>1</sup>**

Chlorophenols: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 8270E) - Analysis by GC-MS

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

**Remark**

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**8. N,N-di-methylformamide (DMFa)<sup>1</sup>**

DMFa: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 521, EPA 8270E) - Analysis by GC-MS

Test item	CAS no.	Reporting limit	Result	Unit
			Untreated Wastewater	
Dimethyl formamide; N,N-Dimethylformamide (DMFa)	68-12-2	Textiles: 1000 Leather: Sample and Report Only	ND	µg/L

**Remark**

- 1 µg/L = 0.001ppm
- ND = Not detected
- NA = Not applicable
- NC = Not conducted
- = Not required to be tested
- (S) = The analysis was performed by a subcontracted laboratory assessed as competent
- # = Non accredited parameter
- \* = Sample and report only for mock leather

**9. Dyes - Carcinogenic or Equivalent Concern<sup>1</sup>**

Dyes - Carcinogenic or Equivalent Concern: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from DIN 54231) - Analysis by LC-MS MS

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

**Remark**

1 µg/L = 0.001ppm

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NA = Not applicable

NC = Not conducted

- = Not required to be tested

(S) = The analysis was performed by a subcontracted laboratory assessed as competent

# = Non accredited parameter

\* = Reported concentration refers to the dye part only

**10.Dyes - Disperse (Allergenic)<sup>1</sup>**

Dyes - Disperse (Allergenic): SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from DIN 54231) - Analysis by LC-MS MS

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

**Remark**

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# = Non accredited parameter

**11.Flame retardants<sup>1</sup>**

Boric acid, Diboron trioxide, Disodium octaborate, Disodium tetraborate anhydrous, Tetraboron disodium heptaoxide, hydrate: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 3051A, EPA 6020B) - Analysis by ICP-MS

Others: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 8321) - Analysis by LC-MS MS / SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 527, ISO 22032) - Analysis by LC-MS MS

Test item	CAS no.	Reporting limit	Result	Unit
			Untreated Wastewater	
Boric acid	10043-35-3 / 11113-50-1	Textiles and Leather: 500*	1537(8788)**	µg/L
Diboron trioxide	1303-86-2	Textiles and Leather: 500*	1537(4948)**	µg/L
Disodium octaborate	12008-41-2	Textiles and Leather: 500*	1537(10455)**	µg/L
Disodium tetraborate, anhydrous	1303-96-4 / 1330-43-4	Textiles and Leather: 500*	1537(7150)**	µg/L
Tetraboron disodium heptaoxide, hydrate	12267-73-1	Textiles and Leather: 500*	1537(8219)**	µg/L
Hexabromocyclodecane (HBCDD)	3194-55-6	Textiles and Leather: 25	ND	µg/L
2,2-bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	Textiles and Leather: 25	ND	µg/L
Polybromobiphenyls (PBB)	59536-65-1	Textiles and Leather: 25	ND	µg/L
Monobromobiphenyls (MonoBB)	Multiple	Textiles and Leather: 25	ND	µg/L
Monobromodiphenylethers (MonoBDEs)	Multiple	Textiles and Leather: 25	ND	µg/L
Dibromobiphenyls (DiBB)	Multiple	Textiles and Leather: 25	ND	µg/L
Dibromopropylether	21850-44-2	Textiles and Leather: 25	ND	µg/L
Tribromodiphenylethers (TriBDEs)	Multiple	Textiles and Leather: 25	ND	µg/L
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	Textiles and Leather: 25	ND	µg/L
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	Textiles and Leather: 25	ND	µg/L
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	Textiles and Leather: 25	ND	µg/L
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	Textiles and Leather: 25	ND	µg/L
Octabromobiphenyls (OctaBB)	Multiple	Textiles and Leather: 25	ND	µg/L
Octabromodiphenyl ether (OctaBDE)	32536-52-0	Textiles and Leather: 25	ND	µg/L
Nonabromobiphenyls (NonaBB)	Multiple	Textiles and Leather: 25	ND	µg/L
Nonabromodiphenyl ether (NonaBDE)	63936-56-1	Textiles and Leather: 25	ND	µg/L
Decabromobiphenyl (DecaBB)	13654-09-6	Textiles and Leather: 25	ND	µg/L
Decabromodiphenyl ether (DecaBDE)	1163-19-5	Textiles and Leather: 25	ND	µg/L
Tetrabromobisphenol A (TBBPA)	79-94-7	Textiles and Leather: 25	ND	µg/L

Bis(2,3-dibromopropyl) phosphate (BDBPP)	5412-25-9	Textiles and Leather: 25	ND	µg/L
Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	Textiles and Leather: 25	ND	µg/L
Tris(1-aziridinyl) phosphine oxide (TEPA)	545-55-1	Textiles and Leather: 25	ND	µg/L
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	Textiles and Leather: 25	ND	µg/L
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	Textiles and Leather: 25	ND	µg/L
Tris(2,3,-dibromopropyl)-phosphate (TRIS)	126-72-7	Textiles and Leather: 25	ND	µg/L

**Remark**

1 µg/L = 0.001ppm

ND = Not detected

NA = Not applicable

NC = Not conducted

- = Not required to be tested

(S) = The analysis was performed by a subcontracted laboratory assessed as competent

# = Non accredited parameter

\* = Limit refers to elemental boron, not the salt.

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

**12. Glycols/Glycol Ethers<sup>1</sup>**

Glycols / Glycol Ethers: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 - Analysis by GC- MS

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

**Remark**

1 µg/L = 0.001ppm

ND = Not detected

NA = Not applicable

NC = Not conducted

- = Not required to be tested

(S) = The analysis was performed by a subcontracted laboratory assessed as competent

# = Non accredited parameter

**13. Halogenated solvents<sup>1</sup>**

Halogenated Solvents: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 8260 D, EPA 5021A) - Analysis by GC-MS Head Space

Test item	CAS no.	Reporting limit	Result	Unit
			Untreated Wastewater	
1,2-Dichloroethane	107-06-2	Textiles and Leather: 1	ND	µg/L
Methylene chloride	75-09-2	Textiles and Leather: 1	ND	µg/L
Tetrachloroethene	127-18-4	Textiles and Leather: 1	ND	µg/L
Trichloroethene	79-01-6	Textiles and Leather: 1	ND	µg/L

**Remark**

1 µg/L = 0.001ppm  
 ND = Not detected  
 NA = Not applicable  
 NC = Not conducted  
 - = Not required to be tested  
 (S) = The analysis was performed by a subcontracted laboratory assessed as competent  
 # = Non accredited parameter

**14. Organotin compounds<sup>1</sup>**

TeET: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from ISO 17353) - Analysis by GC- MS

Others: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from ISO 17353) - Analysis by GC- MS

Test item	CAS no.	Reporting limit	Result	Unit
			Untreated Wastewater	
Dipropyltin Compounds (DPT)	Multiple including: 867-36-7	Textiles and Leather: 0.01	ND	µg/L
Mono-, di- and tri-butyltin derivatives	Multiple including: 1118-46-3, 1461-22-9	Textiles and Leather: 0.01	ND	µg/L
Monobutyltin (MBT)		Textiles and Leather: 0.01	ND	µg/L
Dibutyltin (DBT)		Textiles and Leather: 0.01	ND	µg/L
Tributyltin (TBT)		Textiles and Leather: 0.01	ND	µg/L
Mono-, di- and tri-methyltin derivatives	Multiple including: 993-16-8, 753-73-1, 1066-45-1	Textiles and Leather: 0.01	ND	µg/L
Monomethyltin (MMT)		Textiles and Leather: 0.01	ND	µg/L
Dimethyltin (DMT)		Textiles and Leather: 0.01	ND	µg/L
Trimethyltin (TMT)		Textiles and Leather: 0.01	ND	µg/L
Mono-, di- and tri-octyltin derivatives	Multiple including: 3091-25-6, 3542-36-7, 2587-76-0	Textiles and Leather: 0.01	ND	µg/L
Monooctyltin (MOT)		Textiles and Leather: 0.01	ND	µg/L
Diocetyl tin (DOT)		Textiles and Leather: 0.01	ND	µg/L
Triocetyl tin (TOT)		Textiles and Leather: 0.01	ND	µg/L
Mono-, di- and tri-phenyltin derivatives	Multiple including: 1124-19-2, 1135-99-5, 639-58-7	Textiles and Leather: 0.01	ND	µg/L
Monophenyltin (MPHT)		Textiles and Leather: 0.01	ND	µg/L
Diphenyltin (DPHT)		Textiles and Leather: 0.01	ND	µg/L
Triphenyltin (TPHT)		Textiles and Leather: 0.01	ND	µg/L
Tetrabutyltin Compounds (TeBT)	Multiple including: 1461-25-2	Textiles and Leather: 0.01	ND	µg/L
Tetraethyltin Compounds (TeET)	Multiple including: 597-64-8	Textiles and Leather: 0.01	ND	µg/L
Tetraoctyltin Compounds (TeOT)	Multiple including: 3590-84-9	Textiles and Leather: 0.01	ND	µg/L
Tricyclohexyltin (TCyHT)	Multiple including: 3091-32-5	Textiles and Leather: 0.01	ND	µg/L
Tripropyltin Compounds (TPT)	Multiple including: 2279-76-7	Textiles and Leather: 0.01	ND	µg/L



**Remark**

1 µg/L = 0.001ppm

ND = Not detected

NA = Not applicable

NC = Not conducted

- = Not required to be tested

(S) = The analysis was performed by a subcontracted laboratory assessed as competent

# = Non accredited parameter

**15. Other/Miscellaneous Chemicals<sup>1</sup>**

AEEA [2-(2-aminoethylamino) ethanol]: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 - Analysis by LC – MS MS

Bisphenol A: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 3510C, ISO 18857-2) - Analysis by GC- MS

Thiourea: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 - Analysis by LC – MS MS

Quinoline: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 - Analysis by LC – MS MS

Borate, zinc salt: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 3051A, EPA 6020B) - Analysis by ICP-MS

Test item	CAS no.	Reporting limit	Result	Unit
			Untreated Wastewater	
AEEA [2-(2-aminoethylamino) ethanol]	111-41-1	Textiles and Leather: 500	ND	µg/L
Bisphenol A	80-05-7	Textiles and Leather: 10	ND	µg/L
Borate, zinc salt	12767-90-7	Textiles and Leather: 500*	B: 1537 (8869)** Zn: 4200(12017)**	µg/L
Quinoline	91-22-5	Textiles and Leather: 50	ND	µg/L
Thiourea	62-56-6	Textiles and Leather: 50	ND	µg/L

**Remark**

1 µg/L = 0.001ppm

ND = Not detected

NA = Not applicable

NC = Not conducted

- = Not required to be tested

(S) = The analysis was performed by a subcontracted laboratory assessed as competent

# = Non accredited parameter

\* = 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)

**16. Perfluorinated and Polyfluorinated Chemicals (PFCs)<sup>1</sup>**

PFCs: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from DIN 38407-42) - Analysis by LC – MS MS / SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from CEN/TS 15968) - Analysis by GC- MS

Test item	CAS no.	Reporting limit	Result	Unit
			Untreated wastewater	
Perfluorooctane sulfonate (PFOS)*	Multiple including: 1763-23-1	Textiles and Leather: 0.01	ND	µg/L
N-ethylperfluoro-1-octanesulfonamide (EtFOSA)	4151-50-2	Textiles and Leather: 0.01	ND	µg/L
N-methylperfluoro-1-octanesulfonamide (MeFOSA)	31506-32-8	Textiles and Leather: 0.01	ND	µg/L
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (EtFOSE)	1691-99-2	Textiles and Leather: 0.01	ND	µg/L
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (MeFOSE)	24448-09-7	Textiles and Leather: 0.01	ND	µg/L
Perfluorooctane sulfonamide (PFOSA)	754-91-6	Textiles and Leather: 0.01	ND	µg/L
Perfluorooctanoic acid (PFOA)**	Multiple including: 335-67-1	Textiles and Leather: 1	ND	µg/L
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	Textiles and Leather: 1	ND	µg/L
Methyl Perfluorooctanoate (Me-PFOA)	376-27-2	Textiles and Leather: 1	ND	µg/L
Ethyl Perfluorooctanoate (Et-PFOA)	3108-24-5	Textiles and Leather: 1	ND	µg/L
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	Textiles and Leather: 1	ND	µg/L
1H,1H,2H,2H-Perfluorodecylacrylate (8:2 FTA)	27905-45-9	Textiles and Leather: 1	ND	µg/L
8:2 Fluorotelomer methacrylate (8:2 FTMA)	1996-88-9	Textiles and Leather: 1	ND	µg/L

**Remark**

1 µg/L = 0.001ppm

ND = Not detected

NA = Not applicable

NC = Not conducted

- = Not required to be tested

(S) = The analysis was performed by a subcontracted laboratory assessed as competent

# = Non accredited parameter

\* = PFOS refer to its salts/derivative including PFOS-K (CAS No.: 2795-39-3), PFOS-Li (CAS No.: 29457-72-5), PFOS-NH<sub>4</sub> (CAS No.: 29081-56-9), PFOS-NH(OH)<sub>2</sub> (CAS No.: 70225-14-8), PFOS-N(C<sub>2</sub>H<sub>5</sub>)<sub>4</sub> (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)

**17. Phthalates – including all other esters of ortho-phthalic acid<sup>1</sup>**

Phthalates: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 8270E, ISO14389, ISO 18856) - Analysis by GC- MS

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

1 µg/L = 0.001 ppm

**Remark**

1 µg/L = 0.001ppm

ND = Not detected

NA = Not applicable

NC = Not conducted

- = Not required to be tested

(S) = The analysis was performed by a subcontracted laboratory assessed as competent

# = Non accredited parameter

**18. Polycyclic aromatic hydrocarbons (PAHs)<sup>1</sup>**

PAHs: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 8270E, DIN 38407-39) - Analysis by GC- MS

Test item	CAS no.	Reporting limit	Result	Unit
			Untreated Wastewater	
Acenaphthene	83-32-9	Textiles and Leather: 1	ND	µg/L
Acenaphthylene	208-96-8	Textiles and Leather: 1	ND	µg/L
Anthracene	120-12-7	Textiles and Leather: 1	ND	µg/L
Benzo(a)anthracene	56-55-3	Textiles and Leather: 1	ND	µg/L
Benzo(a)pyrene	50-32-8	Textiles and Leather: 1	ND	µg/L
Benzo(b)fluoranthene	205-99-2	Textiles and Leather: 1	ND	µg/L
Benzo(e)pyrene	192-97-2	Textiles and Leather: 1	ND	µg/L
Benzo(ghi)perylene	191-24-2	Textiles and Leather: 1	ND	µg/L
Benzo(j)fluoranthene	205-82-3	Textiles and Leather: 1	ND	µg/L
Benzo(k)fluoranthene	207-08-09	Textiles and Leather: 1	ND	µg/L
Chrysene	218-01-9	Textiles and Leather: 1	ND	µg/L
Dibenz(a,h)anthracene	53-70-3	Textiles and Leather: 1	ND	µg/L
Fluoranthene	206-44-0	Textiles and Leather: 1	ND	µg/L
Fluorene	86-73-7	Textiles and Leather: 1	ND	µg/L
Indeno (1,2,3-cd)pyrene	193-39-5	Textiles and Leather: 1	ND	µg/L
Naphthalene	91-20-3	Textiles and Leather: 1	3,4	µg/L
Phenanthrene	85-01-8	Textiles and Leather: 1	ND	µg/L
Pyrene	129-00-0	Textiles and Leather: 1	ND	µg/L

**Remark**

1 µg/L = 0.001ppm

ND = Not detected

NA = Not applicable

NC = Not conducted

- = Not required to be tested

(S) = The analysis was performed by a subcontracted laboratory assessed as competent

# = Non accredited parameter

**19. Restricted Aromatic Amines (Cleavable from Azo-colourants)<sup>1</sup>**

Restricted Aromatic Amines: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from ISO 14362-1, ISO 14362-3) - Analysis by LC- MS MS

Test item	CAS no.	Reporting limit	Result	Unit
			Untreated Wastewater	
2-naphthylamine	91-59-8	Textiles and Leather: 0.1	ND	µg/L
2-naphthylammoniumacetate <sup>^</sup>	553-00-4	Textiles and Leather: 0.1	ND	µg/L
2,4-xylidine	95-68-1	Textiles and Leather: 0.1	ND	µg/L
2,4,5-trimethylaniline	137-17-7	Textiles and Leather: 0.1	ND	µg/L
2,4,5-trimethylaniline hydrochloride <sup>^</sup>	21436-97-5	Textiles and Leather: 0.1	ND	µg/L
2,6-xylidine	87-62-7	Textiles and Leather: 0.1	ND	µg/L
3,3'-dichlorobenzidine	91-94-1	Textiles and Leather: 0.1	ND	µg/L
3,3-dimethoxybenzidine	119-90-4	Textiles and Leather: 0.1	ND	µg/L
3,3-dimethylbenzidine	119-93-7	Textiles and Leather: 0.1	ND	µg/L
4-aminoazobenzene	60-09-3	Textiles and Leather: 0.1	ND	µg/L
4-aminodiphenyl	92-67-1	Textiles and Leather: 0.1	ND	µg/L
4-chloro-o-toluidine	95-69-2	Textiles and Leather: 0.1	ND	µg/L
4-chloro-o-toluidinium chloride <sup>^</sup>	3165-93-3	Textiles and Leather: 0.1	ND	µg/L
4-chloroaniline	106-47-8	Textiles and Leather: 0.1	ND	µg/L
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate <sup>^</sup>	39156-41-7	Textiles and Leather: 0.1	ND	µg/L
4-methoxy-m-phenylenediamine	615-05-4	Textiles and Leather: 0.1	ND	µg/L
4-methyl-m-phenylenediamine	95-80-7	Textiles and Leather: 0.1	ND	µg/L
4,4-methylene-bis-(2-chloro-aniline)	101-14-4	Textiles and Leather: 0.1	ND	µg/L
4,4-methylenedi-o-toluidine	838-88-0	Textiles and Leather: 0.1	ND	µg/L
4,4-methylenedianiline*	101-77-9	Textiles and Leather: 0.1	0,9	µg/L
4,4-oxydianiline	101-80-4	Textiles and Leather: 0.1	ND	µg/L
4,4-thiodianiline	139-65-1	Textiles and Leather: 0.1	ND	µg/L
5-nitro-o-toluidine	99-55-8	Textiles and Leather: 0.1	ND	µg/L
6-methoxy-m-toluidine	120-71-8	Textiles and Leather: 0.1	ND	µg/L
Benzidine	92-87-5	Textiles and Leather: 0.1	ND	µg/L
o-aminoazotoluene	97-56-3	Textiles and Leather: 0.1	ND	µg/L
o-anisidine	90-04-0	Textiles and Leather: 0.1	ND	µg/L
o-toluidine	95-53-4	Textiles and Leather: 0.1	ND	µg/L

**Remark**

1 µg/L = 0.001ppm  
 ND = Not detected  
 NA = Not applicable  
 NC = Not conducted

- = Not required to be tested

(S) = The analysis was performed by a subcontracted laboratory assessed as competent

# = Non accredited parameter

\* = The amine was detected according to ISO 14362-1:2017 with the reducing agent. A similar result was obtained from the procedure carried out without the reducing agent. According to ISO 14362-1:2017 Annex C.2.1.2.2, the amine originated from a source other than azo colorants.

**20. UV Absorbers<sup>1</sup>**

UV Absorbers: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 3510C, EPA 8270E) - Analysis by GC- MS

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

**Remark**

1 µg/L = 0.001ppm

ND = Not detected

NA = Not applicable

NC = Not conducted

- = Not required to be tested

(S) = The analysis was performed by a subcontracted laboratory assessed as competent

# = Non accredited parameter

**21. Volatile organic compounds (VOCs)<sup>1</sup>**

Benzene: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 8260 D, EPA 5021A) - Analysis by GC-MS Head Space

m-cresol / o-cresol / p-cresol: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 8270E) - Analysis by GC- MS

Xylene: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 8260 D, EPA 5021A) - Analysis by GC-MS Head Space

Toluene: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 (modified from EPA 8260 D, EPA 5021A) - Analysis by GC-MS Head Space

Test Items	CAS no.	Reporting Limit	Result	Unit
			Untreated wastewater	
Benzene	71-43-2	Textiles and Leather: 1	ND	µg/L
Xylene	1330-20-7	Textiles and Leather: 1	47	µg/L
o-cresol	95-48-7	Textiles and Leather: 1	ND	µg/L
p-cresol	106-44-5	Textiles and Leather: 1	ND	µg/L
m-cresol	108-39-4	Textiles and Leather: 1	ND	µg/L
Toluene	108-88-3	Textiles and Leather: 1	12	µg/L

**Remark**

1 µg/L = 0.001ppm

ND = Not detected

NA = Not applicable

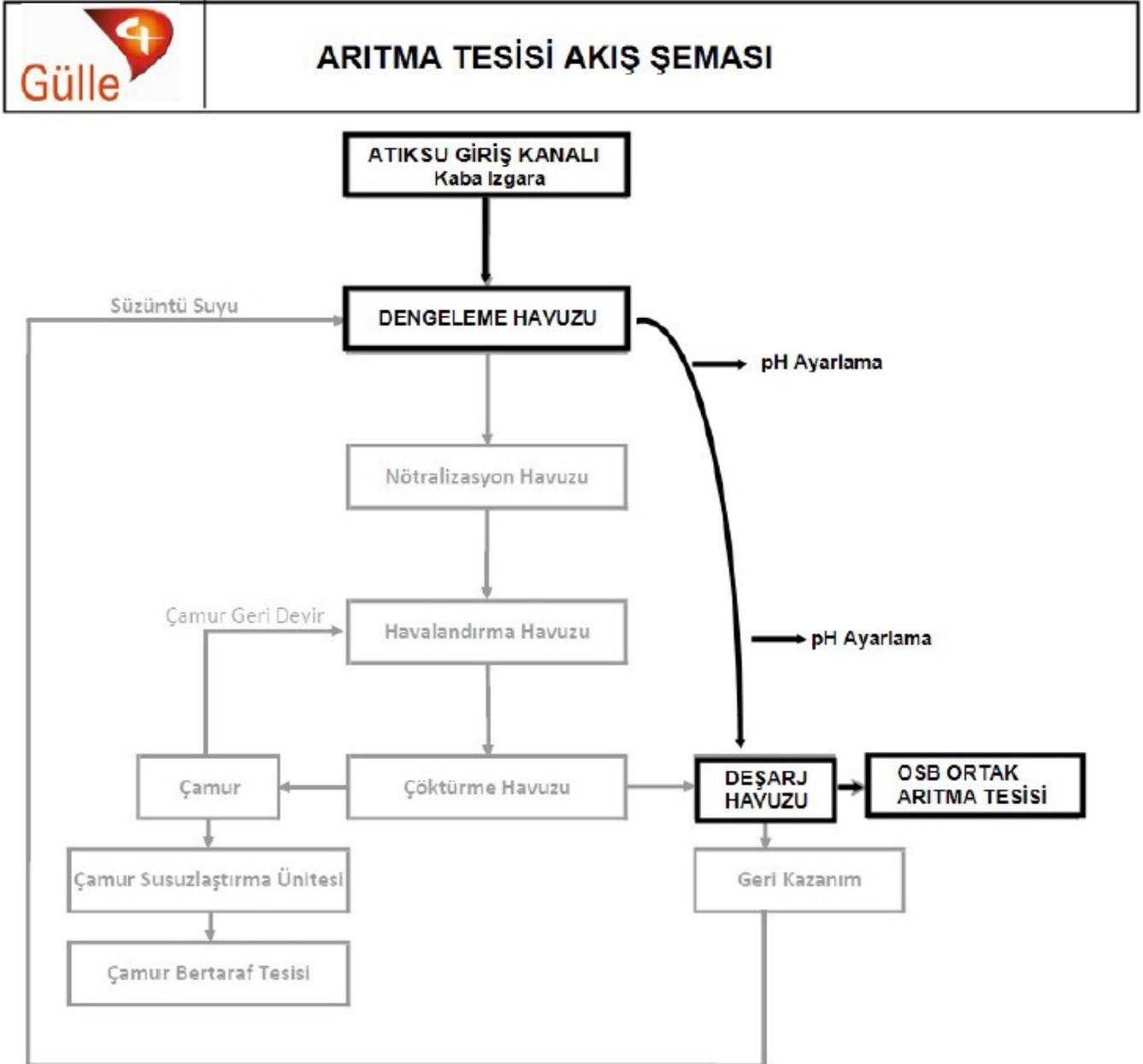
NC = Not conducted

- = Not required to be tested

(S) = The analysis was performed by a subcontracted laboratory assessed as competent

# = Non accredited parameter

## PIPING PLAN



SAMPLING PHOTOS

**UNTREATED WASTEWATER**

GPS Data: 41°13'14.8" N, 27°43'19.4" E

SAMPLING LOCATION, CLOSE-UP VIEW



SAMPLING LOCATION, FAR VIEW



**EFFLUENT**

GPS Data: 41°13'16.0" N, 27°43'18.1" E

SAMPLING LOCATION, CLOSE-UP VIEW



SAMPLING LOCATION, FAR VIEW



## ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration



**ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration**

**ZDHC Wastewater Sampling Information:**

Factory Name: Gülle Entegre Tekstil İşletmeleri End. San. ve Tic. A.Ş.  
 Factory Address: Dılag 023 No. D100 Cad. No:33 / Ergene - 20110 Tekstil-çoban  
 Sampling Location: X Untreated Wastewater  Effluent  Sludge  
 GPS Data: 41.220722 / 27.222048  
 Sampling Date: 04/11/2025  
 Sampling Time: 10:00-16:00  
 Sample ID: \_\_\_\_\_

**Sampler Information:**

Sampler Name: NURETTİN DELİ  
 Sampler E-mail: nuret.in.del@sgs.com  
 ZDHC Sampler Accreditation Cert. No.: ZDHC-A-22-E-C001968-R2331-FCBRE

**Sampling Method:**

Grab  1-hour Composite  Other, please specify \_\_\_\_\_  
 Autosampler  Manual

**Discharge Method:**

Direct  Indirect (w/pretreatment)  Indirect (w/o pretreatment)  Zero Liquid Discharge (ZLD)

**ZDHC Wastewater Sampling Field Testing QA/QC**

Parameter	LCS Known	LCS Measured	Accuracy %
pH	7.00	7.00	100
Total Chlorine			

**ZDHC Wastewater Flow Device Dimensions**

Measurement (mm)	Meter	Pipe (Ø)	Flange (Ø)	Flange (H)
Diameter	NA			
Depth	NA	NA	NA	

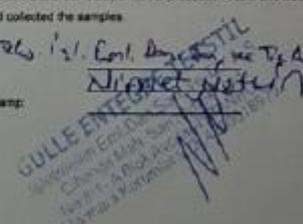
**ZDHC Wastewater Sample Collection Field Test Measurements**

Sampling Time (Hours)	Temp (°C)		pH	Visible Colour	Persistent Foam (Yes/No)	Dissolved Oxygen (mg/L)	Total Chlorine (mg/L)	Wastewater Flow Meter (m <sup>3</sup> /h)	Alternate Measured Flow	
	Wastewater Discharge	Receiving Water							Depth (mm)	Velocity (m/s)
0	18.9		9.69	Purple	N/A	1.625		44.5		
1	17.0		9.16	Brown	N/A	2.24		46.2		
2	12.5		8.77	Brown	N/A	3.55		50.8		
3	16.7		9.43	Purple	N/A	2.50		48.7		
4	15.9		8.79	Purple	N/A	2.60		52.5		
5	14.7		9.07	Purple	N/A	2.18		47.9		
6	19.6		9.87	Blue	N/A	6.51		47.4		
Average	17.9		9.11	Purple	N/A	3.26		47.6		

**ZDHC Wastewater Sampling - Facility Confirmation**

The wastewater samples have been collected under the facility's normal production scale and wastewater flow rate.  
 The sampler listed below was on-site and collected the samples.

Factory Name: Gülle Entegre Tekstil İşletmeleri End. San. ve Tic. A.Ş. Sampler Name: NURETTİN DELİ  
 Factory Representative Name: Nurettin Delik ZDHC Sampler Accreditation Cert. No.: ZDHC-A-22-E-C001968-R2331-FCBRE  
 Factory Representative Signature and Stamp: \_\_\_\_\_ Sampler Signature: \_\_\_\_\_



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### ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration

**ZDHC Wastewater Sampling Information:**

Factory Name: Gülle Entegre Tekstil / İst. Ent. Danışman. ve Tic. A.Ş.  
 Factory Address: 16.018 Sok. D.100 Cad. No:111 / Ergene 2.03 Tekstilçiyi  
 Sampling Location:  Untreated Wastewater  Effluent  Sludge  
 GPS Data: 41.221113 / 29.721706  
 Sampling Date: 04.11.2025  
 Sampling Time: 03.45 - 15.45  
 Sample ID: \_\_\_\_\_

**Sampler Information:**

Sampler Name: MURATTIN DELİ  
 Sampler E-mail: muratd.del@sgs.com  
 ZDHC Sampler Accreditation Cert. No.: ZDHC-A-22-E-C001168-R2332-FDC8E

**Sampling Method:**

Grab  6-hour Composite  Others, please specify: \_\_\_\_\_  
 Autosampler  Manual

**Discharge Method:**

Direct  Indirect (w/pretreatm)  Indirect (w/o pretreaters)  Zero Liquid Discharge (ZLD)

**ZDHC Wastewater Sampling Field Testing QA/QC**

Parameter	LCS Known	LCS Measured	Accuracy %
pH	7.00	7.00	100
Total Chlorine			

**ZDHC Wastewater Flow Device Dimensions**

Measurement (cm)	Meter	Pipe (O)	Flume (U)	Wtr (V)
Diameter	NA			
Depth	NA	NA	NA	

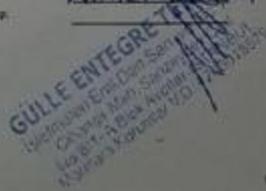
**ZDHC Wastewater Sample Collection Field Test Measurements**

Sampling Time (Hours)	Temp (°C)		pH	Visible Colour	Residual Foam (Yes/No)	Dissolved Oxygen (mg/L)	Total Chlorine (mg/L)	Wastewater Flow Meter (m³/h)	Alternate Measured Flow	
	Wastewater Discharge	Receiving Water							Depth (cm)	Velocity (cm/s)
0	38.4		8.90	Purple	N/O	3.60	38.2			
1	37.1		7.47	Purple	N/O	2.20	40.8			
2	38.6		6.63	Purple	N/O	2.22	31.2			
3	38.1		7.19	Blue	N/O	2.04	40.2			
4	39.8		9.27	Purple	N/O	3.53	68.1			
5	38.5		8.98	Purple	N/O	6.08	51.4			
6	39.2		9.56	Purple	N/O	5.77	43.9			
Average	38.5		8.28	Purple	N/O	6.51	42.6			

**ZDHC Wastewater Sampling - Facility Confirmation**

The wastewater samples have been collected under the facility's normal production scale and wastewater flow rate. The sampler listed below was on site and collected the samples.

Factory Name: Gülle Entegre Tek. İst. Ent. Dan. Ş. ve Tic. A.Ş. Sampler Name: MURATTIN DELİ  
 Factory Representative Name: Nimet Usta ZDHC Sampler Accreditation Cert. No.: ZDHC-A-22-E-C001168-R2332-FDC8E  
 Factory Representative Signature and Stamp: \_\_\_\_\_ Sampler Signature: \_\_\_\_\_



**REGULATORY REQUIREMENTS TURKEY LOCAL DISCHARGE REGULATION  
TEXTILE INDUSTRY WASTEWATER DISCHARGE STANDARDS OF THE RECEIVING ENVIRONMENT**

ERGENE 2 ORGANİZE SANAYİ BÖLGESİ ATIKSU ARITMA TESİSİ		
TASARIMA ESAS ATIKSU KARAKTERİ TABLOSU		
PARAMETRE	BİRİM	DEĞER
Kimyasal Oksijen İhtiyacı (KOİ)	mg/lt	1500
Biokimyasal Oksijen İhtiyacı (BOİ)	mg/lt	700
Askıda Katı Madde (AKM)	mg/lt	500
Yağ ve Gres	mg/lt	250
Katman ve petrol kökenli yağlar	mg/lt	50
Toplam Kjeldah Azotu (TKN)	mg/lt	60
Toplam Fosfor (TP)	mg/lt	5
pH	mg/lt	6 - 10
Toplam Krom (Cr)	mg/lt	5
Toplam Siyanür (Cn)	mg/lt	10
Toplam Sülfür	mg/lt	2
Sülfat (SO <sub>4</sub> )	mg/lt	1700
Fenol	mg/lt	20
Serbest Klor	mg/lt	5
Arsenik	mg/lt	3
Toplam Kurşun	mg/lt	3
Toplam Kadmiyum	mg/lt	2
Toplam Civa	-	0,2
Toplam Bakır	-	2
Toplam Nikel	mg/lt	5
Toplam Çinko		10
Toplam Kalay		5
Toplam Gümüş		5
Klorür		10000
Renk (Pt, Co)		1000
Sıcaklık (°C)		35

\*\*\* End of Report \*\*\*