Date of sampling	21/08/2024
Reporting date	27/08/2024

Audit ID	179340	**Audit firm**	SGS TURKEY
Company name	GULLE ENTEGRE TEKSTIL ISLETMELERI EMLAK DAN.SAN.VE TIC.A.S.		
Contact person	NİMET ÜSTÜN		
Type of tax – tax ID no	4200018979		
Address	ULAS OSB MH. D100 CD. NO:33/1 ERGENE-2 OSB CORLU		
Region state province	-		
Town city / village	TEKIRDAG		
Zip / Post code	59870		

Type of wastewater discharge	
Type of wastewater discharge	Indirect Discharge Without Pre-Treatment
Description of the discharge	Discharge to Ergene 2 OSB
[If direct discharge] Temperature of receiving water body:	NA

Type of sludge disposal pathway	
Type of sludge disposal pathway	NA

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

*The information has been provided by the factory.

Sampler accreditation certification number (ZDHC):	**C74D106817564**
Sampling affiliate	**SGS TURKEY**

Sample description

	Simple	Composite	Comments
(1) Untreated wastewater	NO	YES – 10:00-16:00	NO

Internal description – Final Test Report	
Testing laboratory	SGS TURKEY
Internal codification number (report number)	TR2534924-01
Reference sample number (sample ID)	1) Untreated Wastewater
Received on	22/08/2024
Analysis carried out from	22/08/2024 to 27/08/2024
Arrival temperature at lab	7,0 ºC
Comments	/
Reporting date	27/08/2024

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.

Mesut Akpolat 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.
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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**
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**
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**
Restricted Aromatic Amines (Cleavable from Azo-colourants)	**D**
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		Untreated wastewater	
Wastewater Flowrate	-	-			NA	3002,4 (f)	m^3/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[1]

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		Untreated wastewater	
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

ND = Not detected
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[1]

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 (Textile and Leather)	Result	Unit
			Untreated wastewater	
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
Octylphenolethoxylates (OPEOs)	9002-93-1/9036-19-5/68987-90-6	5	ND	µg/L
Nonylphenolethoxylates (NPEOs)	9016-45-9/26027-38-3/ 37205-87-1/68412-54-4/127087-87-0	5	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

4.Anti- Microbials & Biocides[1]

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

5.Chlorinated Paraffins[1]

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	
Short chain chlorinated paraffins (C10-C13)	85535-84-8	Textile and Leather: 25	ND	µg/L
Medium-chain Chlorinated Paraffins (MCCPs) (C14-C17)	85535-85-9	Textile and Leather: 500	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[1]

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

Test items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated wastewater	
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-Dichlorobezene	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

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

7.Chlorophenols[1]

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

Test items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated wastewater	
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

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

8. N,N-di-methylformamide (DMFa)[1]

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 (Textile)	Result	Unit
			Untreated wastewater	
N,N-di-methylformamide (DMFa)*	68-12-2	1000	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[1]

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 items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated wastewater	
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

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
* = Reported concentration refers to the dye part only

10.Dyes - Disperse (Allergenic)[1]

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

Test Items	CAS no.	Reporting Limit (Textile)	Result	
			Untreated wastewater	Unit
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

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

11.Dyes - Navy Blue Colourant[1]

Dyes - Navy Blue Colourant: SGS In-house Method CTSL-SOP-WW-019NF.Rev.10 - Analysis by LC-MS MS

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

12.Flame retardants[1]

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 Items	CAS no.	Reporting Limit	Result	Unit
			Untreated wastewater	
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
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

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)

13. Glycols/Glycol Ethers[1]

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

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated wastewater	
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

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.Halogenated solvents[1]

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 Items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated wastewater	
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

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. Organotin compounds[1]

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 Items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated wastewater	
Triclyclohexyltin (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
Dioctyltin (DOT)	94410-05-6, 12531-44-4	0.01	ND	µg/L
Trioctyltin (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

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

16. Other/Miscellaneous Chemicals[1]

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 Items	CAS no.	Reporting Limit (Textile)	Result	Unit
			Untreated wastewater	
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

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)

17. Perfluorinated and Polyfluorinated Chemicals (PFCs)[1]

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 Items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated wastewater	
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

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_4 (CAS No.: 29081-56-9), PFOS-$NH(OH)_2$ (CAS No.: 70225-14-8), PFOS-$N(C_2H_5)_4$ (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)

18.Phthalates – including all other esters of ortho-phthalic acid[1]

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 (Textile and Leather)	Result	Unit
			Untreated wastewater	
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 linearakyl esters (DHNUP)	68515-42-4, 68515-50-4	10	ND	µg/L
1,2-benzenedicarboxylic acid, di-C6-8 branched and linearalkyl 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

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

19.Polycyclic aromatic hydrocarbons (PAHs)[1]

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

Test Items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated wastewater	
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

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

20.Restricted Aromatic Amines (Cleavable from Azo-colourants)[1]

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 Items	CAS no.	Reporting Limit (Textile and Leather)	Result	Unit
			Untreated wastewater	
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	0,37	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-Diaminoanisole	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	4,55	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-diaminoanisole sulphate	39156-41-7	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

21. UV Absorbers[1]

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

Test Items	CAS no.	Reporting Limit (Textile)	Result	Unit
			Untreated wastewater	
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

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

22. Volatile organic compounds (VOCs)[1]

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	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	5	µg/L
m-cresol	108-39-4	Textile and Leather: 1	ND	µg/L
Toluene*	108-88-3	Textile: 1	6	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

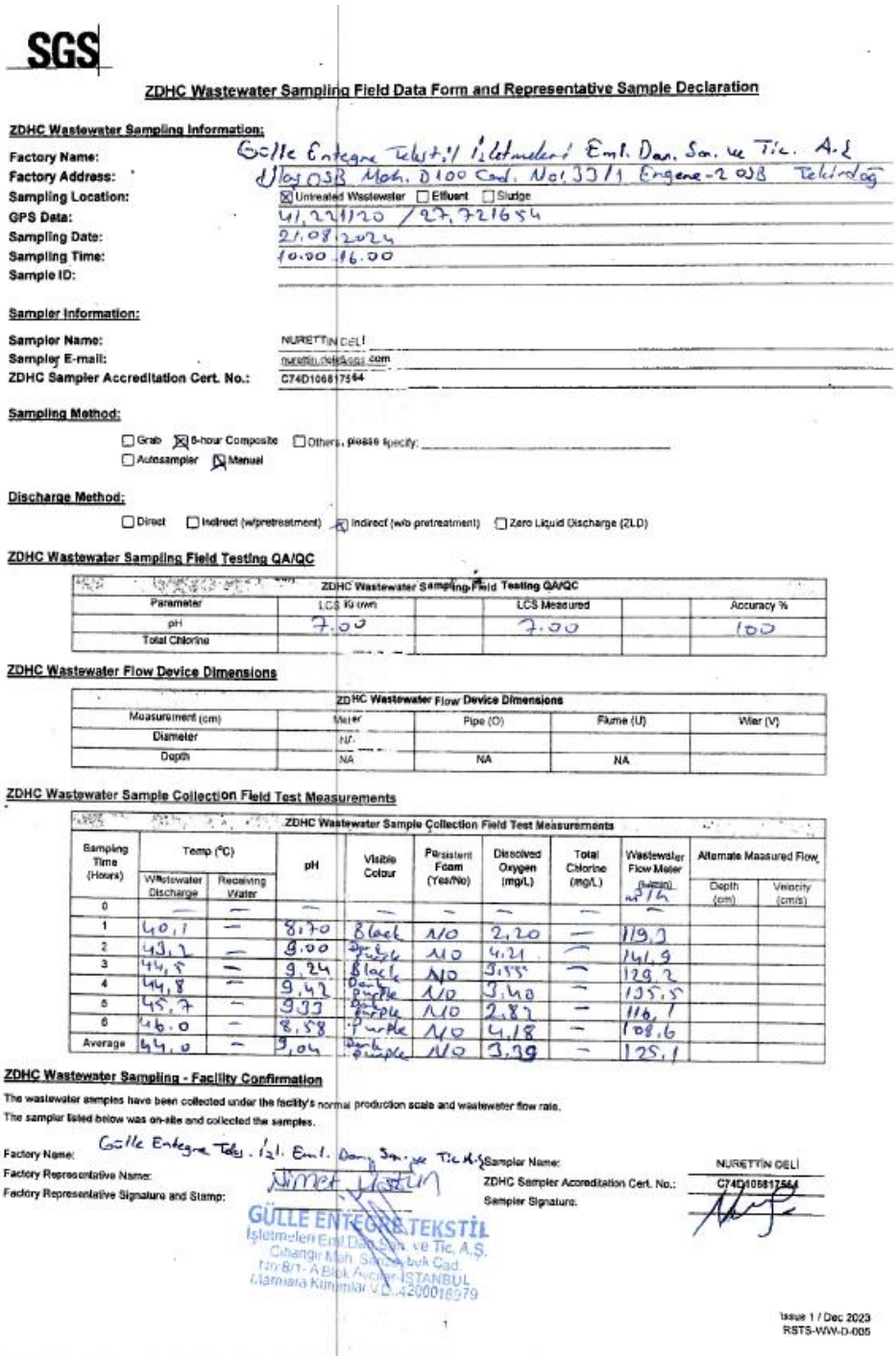
PIPING PLAN


UNTREATED WW
SLUDGE
EFFLUENT WW
GÜLLE ENTEGRE TEKSTİL
Katmanlar
2D

SAMPLING PHOTOS

UNTREATED WASTEWATER	
GPS Data: 41°13'16.0" N, 27°43'18.0" E	
SAMPLING LOCATION, CLOSE-UP VIEW	SAMPLING LOCATION, FAR VIEW
	

ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration



SGS

ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration

ZDHC Wastewater Sampling Information:

Factory Name: Gülle Entegre Tekst.ve Konfeksiyon Eml. Dan. San. ve Tic. A.Ş
Factory Address: Dlay OSB Mah. D100 Cad. No:333/1 Ergene-Tekirdağ
Sampling Location: ☒ Untreated Wastewater ☐ Effluent ☐ Sludge
GPS Data: 41,221120 / 27,721654
Sampling Date: 21.08.2024
Sampling Time: 10.00 16.00
Sample ID:

Sampler Information:

Sampler Name: NURETTİN DELİ
Sampler E-mail: nurettin.deli@sgs.com
ZDHC Sampler Accreditation Cert. No.: C74D106817564

Sampling Method:

☐ Grab ☒ 8-hour Composite ☐ Others, 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

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

ZDHC Wastewater Flow Device Dimensions				
Measurement (cm)	Weir	Pipe (O)	Flume (U)	Weir (V)
Diameter	NA			
Depth	NA	NA	NA	

ZDHC Wastewater Sample Collection Field Test Measurements

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 (L/min)	Alternate Measured Flow	
	Wastewater Discharge	Receiving Water							Depth (cm)	Velocity (cm/s)
0	—	—	—	—	—	—	—	—		
1	40,1	—	8,70	Black	NO	2,20	—	119,3		
2	43,2	—	9,00	Dark Purple	NO	4,21	—	141,9		
3	44,5	—	9,24	Black	NO	3,55	—	129,2		
4	44,8	—	9,42	Dark Purple	NO	3,40	—	135,5		
5	45,7	—	9,33	Dark Purple	NO	2,82	—	116,1		
6	46,0	—	8,58	Purple	NO	4,18	—	108,6		
Average	44,0	—	9,04	Dark Purple	NO	3,39	—	125,1		

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 Tekst. ve Konf. San. ve Tic. A.Ş.
Factory Representative Name: Nimet Yüksel
Factory Representative Signature and Stamp: GÜLLE ENTEGRE TEKSTİL İşletmeleri Enf. Dan. San. ve Tic. A.Ş. Cihangir Mah. Sakızlıbuk Cad. 12/B/1-A Blok Avcılar-İSTANBUL Marmara Kurumlar V.D. 4200016579

Sampler Name: NURETTİN DELİ
ZDHC Sampler Accreditation Cert. No.: C74D106817564
Sampler Signature:

Issue 1 / Dec 2023
RSTS-WW-D-005

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 (KOI)	mg/lt	1500
Biokimyasal Oksijen İhtiyacı (BOI)	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 (SO4)	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 ***