

Date of sampling	30/05/2024
Reporting date	06/06/2024

Audit ID	172455	Audit firm	SGS TURKEY
Company name	NIL ORME SAN VE TIC A.S.		
Contact person	GAMZE SEVEN		
Type of tax – tax ID no	6310048085		
Address	VELIMESE KOYU HACI SEREMET MEVKII 236. SOK NO:14/1		
Region state province	TEKIRDAG		
Town city / village	ERGENE		
Zip / Post code	59860		

Type of wastewater discharge	
Type of wastewater discharge	Indirect Discharge Without Pre-Treatment
Description of the discharge	Discharge to Velimeşe 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 type="checkbox"/> Screening/Sieving/Grit remover (≥ 6 mm) <input type="checkbox"/> Homogenization tank <input type="checkbox"/> pH Correction <input checked="" type="checkbox"/> Other (please specify): Rotary Sieve
PRIMARY	<input type="checkbox"/> Coagulation/Flocculation <input type="checkbox"/> Dissolved air flotation (DAF) <input type="checkbox"/> Sedimentation tanks or Settler/Clarifier <input 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 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 type="checkbox"/> 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 – 11:00-17:00	NO

Internal description – Final Test Report	
Testing laboratory	SGS TURKEY
Internal codification number (report number)	TR2491390-01
Reference sample number (sample ID)	1) Untreated Wastewater
Received on	31/05/2024
Analysis carried out from	31/05/2024 to 06/06/2024
Arrival temperature at lab	6,8 °C
Comments	/
Reporting date	06/06/2024

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.

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
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	D
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)	ND
UV Absorbers	ND
VOCs	ND

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	887,5 (f)	m ³ /day

Remark

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- 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 Metals¹

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

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(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 isomers¹

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	
			Untreated wastewater	Unit
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

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 & Biocides¹

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	
			Untreated wastewater	Unit
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 Paraffins¹

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 & Chlorotoluenes¹

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-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

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.Chlorophenols¹

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 CTSI-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 Concern¹

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

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NA = Not applicable

NC = Not conducted

- = Not required to be tested

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= 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 Colourant¹

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 retardants¹

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*	1800 (10243) **	µg/L
Diboron trioxide	1303-86-2	Textile: 100*	1800 (5767) **	µg/L

Disodium octaborate	12008-41-2	Textile: 100*	1800 (12187) **	µg/L
Disodium tetraborate anhydrous	1303-96-4 1330-43-4	Textile: 100*	1800 (8334) **	µg/L
Tetraboron disodium heptaoxide, hydrate	12267-73-1	Textile: 100*	1800 (9581) **	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 Ethers¹

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 solvents¹

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 compounds¹

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	
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
Diocetyl tin (DOT)	94410-05-6, 12531-44-4	0.01	ND	µg/L
Triocetyl tin (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 Chemicals¹

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: 1800 (10338) ** 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-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)

18. Phthalates – including all other esters of ortho-phthalic acid¹

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 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

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 CTSI-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	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-Diaminoanisoole	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-diaminoanisoole 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 Absorbers¹

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

Remark

1 µg/L = 0.001ppm

ND = Not detected

NA = Not applicable

NC = Not conducted

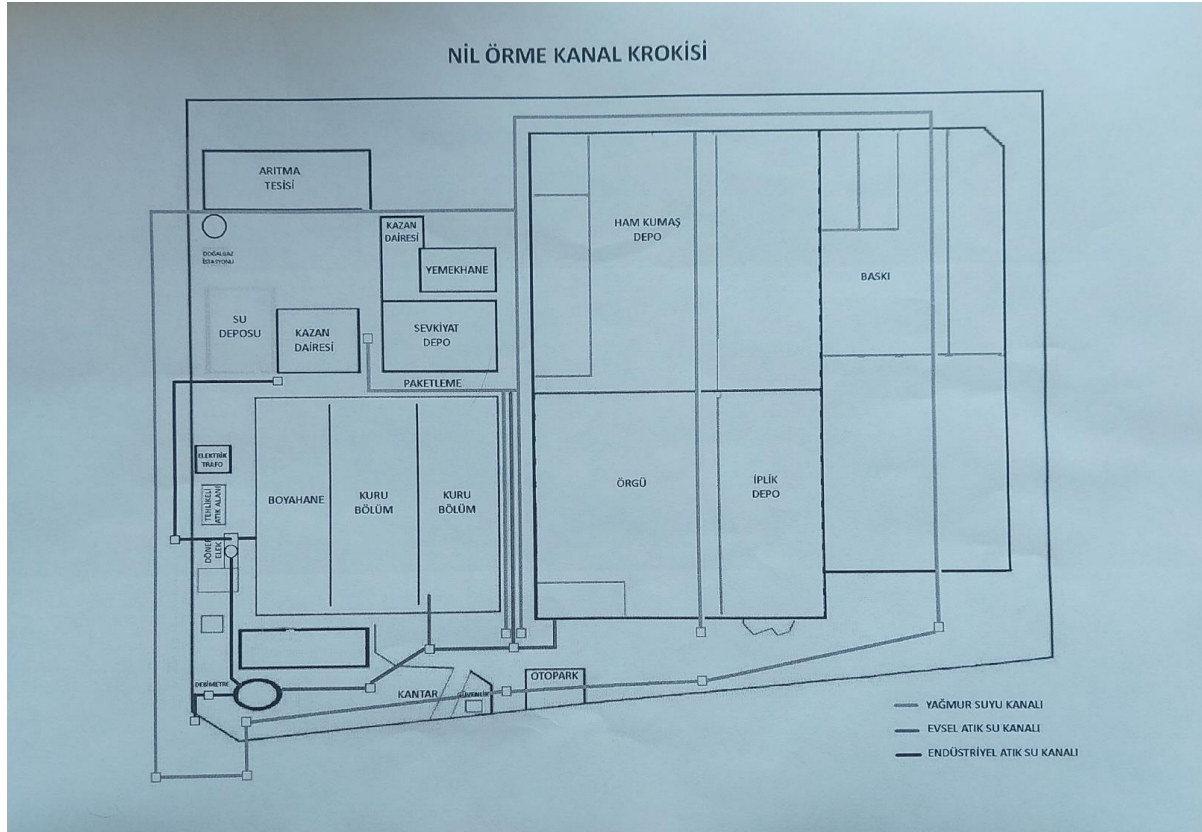
- = Not required to be tested

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

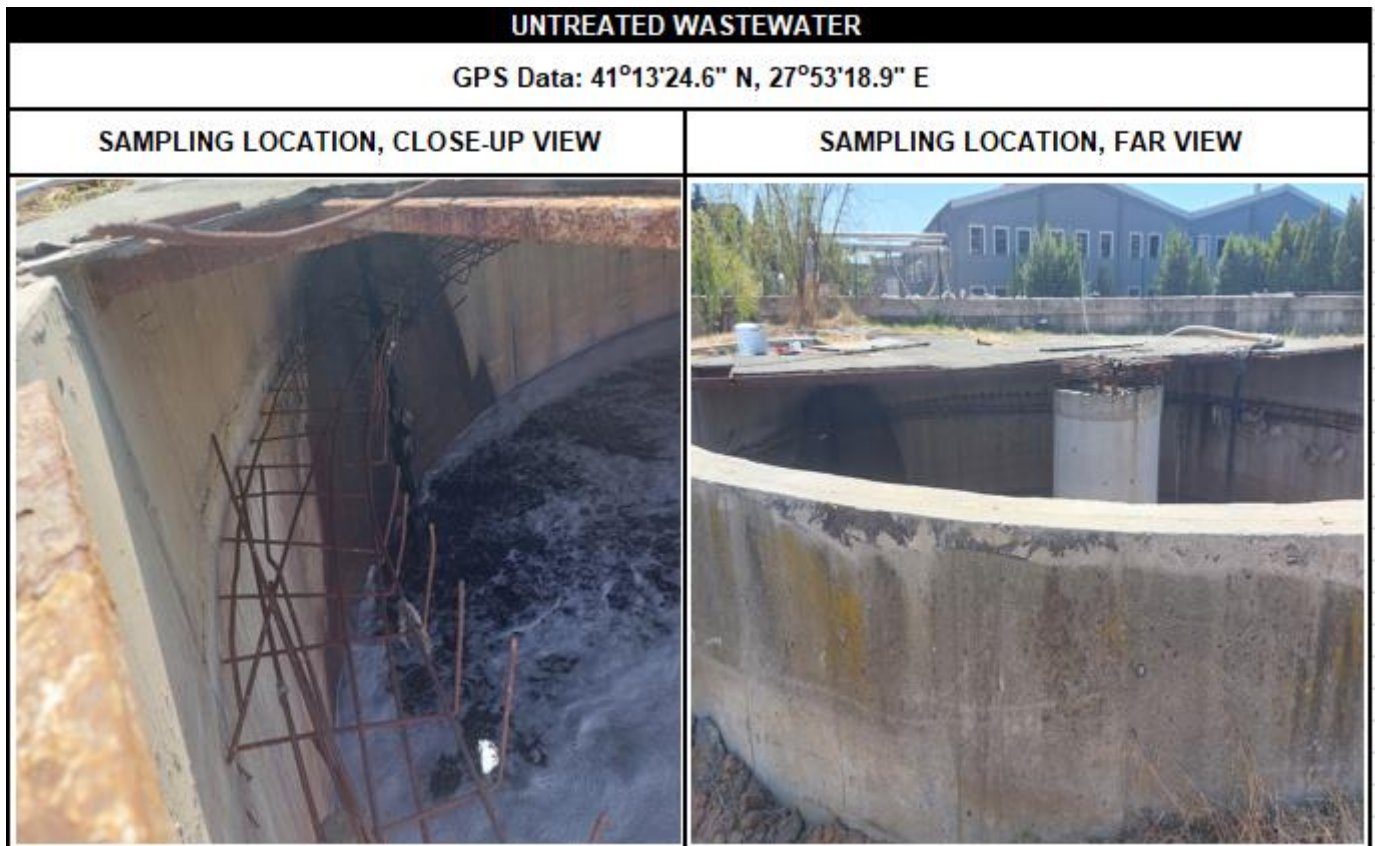
= Non accredited parameter

* = Sample and report only for mock leather

PIPING PLAN



SAMPLING PHOTOS



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: Nil Örne San ve Tic. A.Ş.
Factory Address: Velimata OSB Mah. 236. Sok. No:14/11 Ergene / Tekirdağ
Sampling Location: Untreated Wastewater Effluent Sludge
GPS Data: 41.223901 / 27.888539
Sampling Date: 30.05.2024
Sampling Time: 11.00-12.00
Sample ID:

Sampler Information:

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

Sampling Method:

Grab 5-hour Composite Others, please specify: _____
 Autosampler Manual

Discharge Method:

Direct Indirect (w/pre-treatment) Indirect (w/o pre-treatment) 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

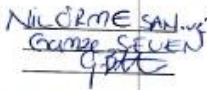
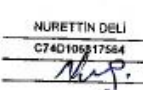
ZDHC Wastewater Flow Device Dimensions				
Measurement (cm)	Meter	Pipe (D)	Flume (U)	Wier (V)
Diameter	NA			
Depth	NA	NA	NA	

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 (m³/h)	Alternate Measured Flow	
	Wastewater Discharge	Receiving Water							Depth (cm)	Velocity (cm/s)
0										
1	30.0	-	8.25	Black	N/A	4.55	-	37.2		
2	30.6	-	8.23	Grey	N/A	6.95	-	38.12		
3	31.3	-	8.55	Grey	N/A	8.63	-	40.24		
4	27.0	-	8.46	Grey	N/A	7.22	-	35.95		
5	31.9	-	8.38	Grey	N/A	6.77	-	36.86		
6	31.1	-	8.27	Grey	N/A	6.89	-	33.51		
Average	30.7	-	8.34	Grey	N/A	6.82	-	36.98		

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: NIL ÖRNE SANAYİ VE TİCARET A.Ş.
Factory Representative Name: GÜRME SEVEN
Factory Representative Signature and Stamp: 
Sampler Name: NURETTİN DELİ
ZDHC Sampler Accreditation Cert. No.: C74D106817564
Sampler Signature: 



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

VELİMEŞE ORGANİZE SANAYİ BÖLGESİ
ATIKSU DEŞAJ KRİTERLERİ

PARAMETRELER	ATIKSU ÖRNEĞİNDE İZİN VERİLEBİLİR MAKSİMUM DEĞERLER (mg/L)
Kimyasal Oksijen İhtiyacı (KOİ)	1500
Biokimyasal Oksijen İhtiyacı (BOİ)	700
Askıda Katı Madde (AKM)	500
Yağ ve Gress	250
Katran ve Petrol Kökenli Yağlar	50
Toplam Kjeldahl Azotu (TKN)	60
Toplam Fosfor (TP)	5
pH	6-10
Toplam Krom (Cr)	5
Toplam Siyanür (Cn)	10
Toplam Sülfür	2
Sülfat	1700
Fenol	20
Serbest Klor	5
Arsenik	3
Toplam Kurşun	3
Toplam Kadmiyum	2
Toplam Cıva	0,2
Toplam Bakır	2
Toplam Nikel	5
Toplam Çinko	10
Toplam Kalay	5
Toplam Gümüş	5
Klorür	10000
Renk (Pt-Co)	1000
Sıcaklık (°C)	35
Anyonik Yüzey Aktif Maddeler	Biyolojik olarak parçalanması mümkün olmayan yüzey aktif maddelerin deşarjı yasaktır.

- Deşarj Kriterlerinin aşılması durumunda debi ve kirlilikle orantılı olarak Ek Maliyet Bedeli tahsil edilecektir.
- Bölgemizde kurulu bulunan veya kurulacak olan metal işleme, boya üretim, ilaç üretim tesislerinin ön arıtma tesisi kurlmaları ve atıksularını yukarıdaki belirtilen kriterlerde arıtarak Velimeşe OSB Atıksu Kanalına vermeleri gerekmektedir.
- pH değeri 10,50 ve üzerinde olan ve tamponlama kapasitesi yüksek atıksuyu bulunan firmalarımızın pH değerini 10'nun altına düşürerek atıksularını deşarj etmeleri gerekmektedir.

*** End of Report ***