



TEST REPORT

Technical Report

(7221)239-0020

September 22nd,2021

Date Received

September 2nd,2021

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Factory Company Name:

NURYILDIZ TEKSTIL SANAYI VE TICARET A.S

Factory Address:

VELIMESE ORGANIZE SANAYI BOLGESI 6.YANYOL CADDESI NO:46/1 59880
ERGENE-TEKIRDAG

Project No.:

N/A

Client Reference No.:

N/A

Sampling Method:

I001) Raw Wastewater – 6 hours - Time – weighted Composite
I002) Treated Wastewater – 6 hours - Time – weighted Composite

Sample Pick Up Date:

September 2nd,2021

Wastewater Discharge to:

Ergene River

On-Site Effluent Treatment

Yes

Plant (ETP):

Discharge Type:

Direct Discharge

Off-site ETP name (if applicable):

N/A

Off-site ETP address (if applicable):

N/A

Local Regulation: / Ordinance / requirements related to wastewater discharged are followed:

ZDHC WWG requirements

Permit Validation Date:

10/07/2022

Parameters Exceeded Local Regulation

1A)Conventional Parameters (Color [m⁻¹] (436nm; 525nm; 620nm), Coliform)

Legal compliance:

Exceed

Conventional Parameters

Exceeded Foundational Limit

Overall Category:

Test Period:

September 3rd,2021- September 21st,2021

Sample Description:

I001) Purple/Light purple liquid– Raw Wastewater
I002) Light purple liquid – Treated Wastewater

Parameters exceeded maximum holding time:

N/A



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REMARK1: Analysis of Table1 conventional parameters, except pH, temperature, heavy metals have subcontracted to local accredited laboratories. (Accreditation number no: AB-0363-T AB-0012-T AB-0241-T)

REMARK

If there are questions or concerns on this report, please contact the following persons:

General enquiry and invoicing

Kerem Can Kerem.can@bureauveritas.com

Technical enquiry-Chemical

Ayca Cevikus Ayca.cevikus@bureauveritas.com

This report shown the test result of the auxiliary chemical and/or raw material samples, which collected during particular factory audit. The results of this report shall not be used for any regulatory compliance purposes.

* The sampling is agreed with client.

PREPARED BY:

Ayca Cevikus
MEA CDM Manager
Zero Discharge & Higg
Verification &
Environmental

Kerem Can
Deputy General Manager
& Operation Manager



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Executive Summary

1A) Conventional Parameters	I001	I002
Temperature	NR	<input type="checkbox"/>
TSS		<input type="checkbox"/>
COD		<input type="checkbox"/>
Total-N		<input type="checkbox"/>
pH Value		<input type="checkbox"/>
Color [m ⁻¹] (436nm; 525nm; 620nm)		<input checked="" type="checkbox"/>
BOD ₅		<input type="checkbox"/>
Ammonium-N		<input type="checkbox"/>
Total-P		<input type="checkbox"/>
AOX		<input type="checkbox"/>
Oil and Grease		<input type="checkbox"/>
Phenol		<input type="checkbox"/>
Coliform		<input checked="" type="checkbox"/>
Persistent Foam		<input type="checkbox"/>
ANIONS - Cyanide		<input type="checkbox"/>
ANIONS - Sulfide		<input type="checkbox"/>
ANIONS - Sulfite		<input type="checkbox"/>
1B) Conventional Parameters – METALS	N/A	<input type="checkbox"/>

Note / Key :

- – Meet Foundational Limit
- – Exceeding Foundational Limit
- NR – Not Requested
- N/A – Not Applicable

ZDHC MRSL Substances	I001	I002
2A) APs and APEOs	o	o
2B) Chlorobenzenes and Chlorotoluenes	o	o
2C) Chlorophenols	o	o
2D) Azo Dyes	o	o
2E) Carcinogenic Dyes	o	o
2F) Disperse Dyes	o	o
2G) Flame Retardants	o	o
2H) Glycols	o	o
2I) Halogenated Solvents	o	o
2J) Organotin Compounds	o	o
2K) Perfluorinated and Polyfluorinated	o	o
2L) Phthalates	o	o
2M) Poly Aromatic Hydrocarbons	o	o
2N) Volatile Organic Compounds	o	o

Note / Key :

- ● – Detected
- o – Not Detected
- NR – Not Requested
- N/A – Not Applicable



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Objective

The environment samples were tested for below parameters.

- 1A) Conventional Parameters
- 1B) Conventional Parameters – METALS
- 2A) APs and APEOs
- 2B) Chlorobenzenes and Chlorotoluenes
- 2C) Chlorophenols
- 2D) Azo Dyes
- 2E) Carcinogenic Dyes
- 2F) Disperse Dyes
- 2G) Flame Retardants
- 2H) Glycols
- 2I) Halogenated Solvents
- 2J) Organotin Compounds
- 2K) Perfluorinated and Polyfluorinated Chemicals
- 2L) Phthalates
- 2M) Poly Aromatic Hydrocarbons
- 2N) Volatile Organic Compounds

Sampling Plan

Basically, two environment samples were sampled per factory, including 1) Raw Wastewater and 2) Discharged Wastewater. Total number of sample collected will be depended on the actual factory facilities and manufacturing processes.

Method of sampling used is time-weighted composite grab samples (agreed with client.). Composite sampling shall be performed for no less than six hours, with no more than one hour between discrete samples. Each discrete sample shall be of equal volume. Wastewater and freshwater samples should, as much as possible, be collected simultaneously, during the time that PU is in normal operation. The sampling shall aim to analyse the snapshot of water quality characteristics of the operating PU. Under no circumstance shall samples be taken during times when the production process is not running or the wastewater is diluted due to heavy rainfall, etc.

Remark :

- Sampling procedure is with reference to below standards:
 - 1) South Australia EPA Guidelines (June 2007), Regulatory Monitoring and Testing Water and Wastewater Sampling.
 - 2) Australia EPA (Victoria) Guideline (June 2009), Sampling and Analysis of Waters, Wastewaters, Soils and Wastes.
 - 3) ISO 5667-3:2003, Water Quality - Sampling - Part 3: Guidance on the Preservation and Handling of Water Samples.
 - 4) ASTM D3976-92 (Reapproved 2010), Standard Practice for Preparation of Sediment Samples for Chemical Analysis.
- Field data records are attached in Appendix C.



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Test Result

1A) Conventional Parameters

Temperature

Test Method : Measurement by U. S. EPA170.1

Tested Item(s)	Result	Unit	Conclusion
I002	▲ 2.9 / max. 32.9 °C (Foundational)	deg. C	DATA

Note:

deg. C = degree Celsius (°C)

Foundational Limit: ▲ 15 / max. 35°C; Progressive Limit: ▲ 10 / max. 30°C; Aspirational Limit: ▲ 5 / max. 25°C

Total Suspended Solids (TSS)

Test Method : Reference to APHA 2540D

Tested Item(s)	Result	Unit	Conclusion
I002	<4 (Aspirational)	mg/L	DATA

Note:

mg/L = milligram per liter

Foundational Limit: 50 mg/L; Progressive Limit: 15 mg/L; Aspirational Limit: 5 mg/L

Chemical Oxygen Demand (COD)

Test Method : Reference to APHA 5220 D

Tested Item(s)	Result	Unit	Conclusion
I002	59.4 (Progressive)	mg/L	DATA

Note:

mg/L = milligram per liter

Foundational Limit: 150 mg/L; Progressive Limit: 80 mg/L; Aspirational Limit: 40 mg/L

Total Nitrogen (Total-N)

Test Method : Reference to APHA 4500-Norg:B, SM 4500-NO3:E

Tested Item(s)	Result	Unit	Conclusion
I002	12.71 (Foundational)	mg/L	DATA

Note:

mg/L = milligram per liter

Foundational Limit: 20 mg/L; Progressive Limit: 10 mg/L; Aspirational Limit: 5 mg/L



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pH Value

Test Method : Reference to U. S. EPA 150.1/ GB

-	Unit	Result
Test Item(s)	-	I002
Parameter	-	-
Temp. of sample	deg. C	25
pH value of sample	-	8.78 (Comply with ZDHC WWG requirements)
Conclusion	-	DATA

Note:

Temp. = Temperature deg. C = degree Celsius (°C)
Limit: 6 – 9

Color [m⁻¹] (436nm; 525nm; 620nm)

Test Method : With reference to ISO 7887-B

Tested Item(s)	Result	Unit	Conclusion
I002	28.6;28;17.9 (Exceeded Foundational Limit)	m ⁻¹	DATA

Note:

Foundational Limit: 7;5;3 m⁻¹; Progressive Limit: 5;3;2 m⁻¹; Aspirational Limit: 2;1;1 m⁻¹

Biochemical Oxygen Demand (BOD₅)

Test Method : Reference to APHA 5210B (5 days)

Tested Item(s)	Result	Unit	Conclusion
I002	18.1 (Foundational)	mg/L	DATA

Note:

mg/L = milligram per liter
Foundational Limit: 30 mg/L; Progressive Limit: 15 mg/L; Aspirational Limit: 5 mg/L

Ammonium Nitrogen

Test Method : Reference to APHA 4500 NH₃ B,F

Tested Item(s)	Result	Unit	Conclusion
I002	0.3 (Aspirational)	mg/L	DATA

Note:

mg/L = milligram per liter
Foundational Limit: 10 mg/L; Progressive Limit: 1 mg/L; Aspirational Limit: 0.5 mg/L



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Total Phosphorus (Total-P)

Test Method : Reference to APHA 4500-P B,C

Tested Item(s)	Result	Unit	Conclusion
I002	<0.1 (Aspirational)	mg/L	DATA

Note:

mg/L = milligram per liter

Foundational Limit: 3 mg/L; Progressive Limit: 0.5 mg/L; Aspirational Limit: 0.1 mg/L

Adsorbable Organic Halogens (AOX)

Test Method : Reference to ISO 9562

Tested Item(s)	Result	Unit	Conclusion
I002	0.22 (Progressive)	mg/L	DATA

Note:

mg/L = milligram per liter

Foundational Limit: 5 mg/L; Progressive Limit: 1 mg/L; Aspirational Limit: 0.1 mg/L

Oil and Grease

Test Method : Reference to ISO 9377-2

Tested Item(s)	Result	Unit	Conclusion
I002	<0.003 (Aspirational)	mg/L	DATA

Note:

mg/L = milligram per liter

Foundational Limit: 10 mg/L; Progressive Limit: 2 mg/L; Aspirational Limit: 0.5 mg/L

Phenol

Test Method : Reference to APHA 5530B, D

Tested Item(s)	Result	Unit	Conclusion
I002	<0.1 (Foundational)	mg/L	DATA

Note:

mg/L = milligram per liter

Foundational Limit: 0.5 mg/L; Progressive Limit: 0.01 mg/L; Aspirational Limit: 0.001 mg/L



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Coliform

Test Method : Reference to ISO 9308-1

Tested Item(s)	Result	Unit	Conclusion
I002	90000 (Exceeded Foundational Limit)	bacteria/ 100 mL	DATA

Note:

bacteria/100 mL = bacteria per 100 milliliters

Foundational Limit: 400 / 100 ml; Progressive Limit: 100 / 100 ml; Aspirational Limit: 25 / 100 ml;

Remark: Due to the colonies is huge, result of coliform content is base on sample having dilution factor 10000 times

Persistent Foam

Test Method : Visual

Tested Item(s)	Result	Unit	Conclusion
I002	No foam (Comply with ZDHC WWG requirements)	-	DATA

ANIONS - Cyanide

Test Method : Reference to APHA 4500-CN C/ APHA 4500-CN E

Tested Item(s)	Result	Unit	Conclusion
I002	<0.01 (Aspirational)	mg/L	DATA

Note:

mg/L = milligram per liter

Foundational Limit: 0.2 mg/L; Progressive Limit: 0.1 mg/L; Aspirational Limit: 0.05 mg/L

ANIONS - Sulfide

Test Method : Reference to APHA 4500 S²-D

Tested Item(s)	Result	Unit	Conclusion
I002	0.037 (Progressive)	mg/L	DATA

Note:

mg/L = milligram per liter

Foundational Limit: 0.5 mg/L; Progressive Limit: 0.05 mg/L; Aspirational Limit: 0.01 mg/L

ANIONS - Sulfite

Test Method : Reference to SM 4500-SO₃-2 C

Tested Item(s)	Result	Unit	Conclusion
I002	0.44 (Progressive)	mg/L	DATA

Note:

mg/L = milligram per liter

Foundational Limit: 2 mg/L; Progressive Limit: 0.5 mg/L; Aspirational Limit: 0.2 mg/L



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1B) Conventional Parameters – METALS

Heavy Metals	I001 (mg/L)	I002 (mg/L)
Antimony(Sb) <i>Foundational Limit: 0.1 mg/L;</i> <i>Progressive Limit: 0.05 mg/L;</i> <i>Aspirational Limit: 0.01 mg/L</i>	0.3469	0.038 (Progressive)
Chromium(Cr), total <i>Foundational Limit: 0.2 mg/L;</i> <i>Progressive Limit: 0.1 mg/L;</i> <i>Aspirational Limit: 0.05 mg/L</i>	0.0138	0.0022 (Aspirational)
Cobalt(Co) <i>Foundational Limit:0.05 mg/L;</i> <i>Progressive Limit: 0.02 mg/L;</i> <i>Aspirational Limit: 0.01 mg/L</i>	ND	ND (Aspirational)
Copper(Cu) <i>Foundational Limit: 1 mg/L;</i> <i>Progressive Limit: 0.5 mg/L;</i> <i>Aspirational Limit: 0.25 mg/L</i>	0.0679	0.0111 (Aspirational)
Nickel (Ni) <i>Foundational Limit:.02 mg/L;</i> <i>Progressive Limit: 0.1 mg/L;</i> <i>Aspirational Limit: 0.05 mg/L</i>	0.0106	0.0027 (Aspirational)
Silver (Ag) <i>Foundational Limit: 0.1 mg/L;</i> <i>Progressive Limit: 0.05 mg/L;</i> <i>Aspirational Limit: 0.005 mg/L</i>	ND	ND (Aspirational)
Zinc(Zn) <i>Foundational Limit: 5 mg/L;</i> <i>Progressive Limit: 1 mg/L;</i> <i>Aspirational Limit: 0.5 mg/L</i>	0.1187	0.0437 (Aspirational)
Arsenic (As) <i>Foundational Limit: 0.05 mg/L;</i> <i>Progressive Limit: 0.01 mg/L;</i> <i>Aspirational Limit: 0.005 mg/L</i>	0.0044	0.0067 (Progressive)
Cadmium(Cd) <i>Foundational Limit: 0.1 mg/L;</i> <i>Progressive Limit: 0.05 mg/L;</i> <i>Aspirational Limit: 0.01 mg/L</i>	ND	ND (Aspirational)
Chromium VI(CrVI) <i>Foundational Limit: 0.05 mg/L;</i> <i>Progressive Limit: 0.005 mg/L;</i> <i>Aspirational Limit: 0.001 mg/L</i>	ND	ND (Aspirational)
Lead(Pb) <i>Foundational Limit:0.1 mg/L;</i> <i>Progressive Limit: 0.05 mg/L;</i> <i>Aspirational Limit: 0.01 mg/L</i>	0.0015	ND (Aspirational)
Mercury (Hg) <i>Foundational Limit: 0.01 mg/L;</i> <i>Progressive Limit: 0.005 mg/L;</i> <i>Aspirational Limit :0.001 mg/L</i>	ND	ND (Aspirational)



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Others Priority Chemical Groups

	I001 (ug/L)	I002 (ug/L)
2A) APs and APEOs	ND	ND
2B) Chlorobenzenes and Chlorotoluenes	ND	ND
2C) Chlorophenols	ND	ND
2D) Azo Dyes	ND	ND
2E) Carcinogenic Dyes	ND	ND
2F) Disperse Dyes	ND	ND
2G) Flame Retardants	ND	ND
2H) Glycols	ND	ND
2I) Halogenated Solvents	ND	ND
2J) Organotin Compounds	ND	ND
2K) Perfluorinated and Polyfluorinated Chemicals	ND	ND
2L) Phthalates	ND	ND
2M) Poly Aromatic Hydrocarbons	ND	ND
2N) Volatile Organic Compounds	ND	ND

Remark :

- Test method, reporting limit and list of chemical are summarized in tables of Appendix A.
- ND = Not detected (Please refer to reporting limit shown in Appendix A.).
- All results are in ppb as unit.
- ppm = part(s) per million; ppb = part(s) per billion.

APPENDIX A - Photo of the Sample/ Sampling Location

<p>I001) Sampling Point N/S 41° 12' 31.10" E/W 27° 50' 40.76"</p> 	<p>I001) Sampling Point Surrounding Environment N/S 41° 12' 31.10" E/W 27° 50' 40.76"</p> 
<p>I001) All sampled bottles with label</p> 	<p>I001) pH value</p> 
<p>I001) Sample for Phthalate Testing</p> 	<p>I001) Packaging</p> 

I002) Sampling Point
N/S 41° 12' 31.10"
E/W 27° 50' 40.76"



I002) Sampling Point Surrounding Environment
N/S 41° 12' 31.10"
E/W 27° 50' 40.76"



I002) All sampled bottles with label



I002) pH value



I002) Sample for Phthalate Testing



I002) Packaging





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APPENDIX B

Group	Substance (Testing parameter)	CAS No.	Report Limit		Name of the testing method
			Wastewater (ug/L)/(ppb)	Sludge (mg/kg)/(ppm)	
2A. Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers	Nonylphenol NP, mixed isomers	Various (incl. 104-40-5, 11066-49-2, 25154-52-3, 84852-15-3)	5	0.4	NP/OP: ISO 18857-2 (modified dichloromethane extraction) or ASTM D7065 (GC/MS or LC/MS(-MS))
	Octylphenol OP, mixed isomers	Various (incl. 140-66-9, 1806-26-4, 27193-28-8)	5	0.4	
	Octylphenol ethoxylates (OPEO)	Various (incl. 9002-93-1, 9036-19-5, 68987-90-6)	5	0.4	OPEO/NPEO: ISO18857-2 or ASTM D7065(LC/MS; GC/MS or LC/MSMS for n=1,2)
	Nonylphenol ethoxylates (NPEO)	Various (inc. 9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0)	5	0.4	
2B. Chlorobenzenes and Chlorotoluenes	Monochlorobenzene	108-90-7	0.2	0.2	USEPA 8260B,8270D. Dichloromethane extraction followed by GC/MS
	1,2-Dichlorobenzene	95-50-1	0.2	0.2	
	1,3-Dichlorobenzene	541-73-1	0.2	0.2	
	1,4-Dichlorobenzene	106-46-7	0.2	0.2	
	1,2,3-Trichlorobenzene	87-61-6	0.2	0.2	
	1,2,4-Trichlorobenzene	120-82-1	0.2	0.2	
	1,3,5-Trichlorobenzene	108-70-3	0.2	0.2	
	1,2,3,4-Tetrachlorobenzene	634-66-2	0.2	0.2	
	1,2,3,5-Tetrachlorobenzene	634-90-2	0.2	0.2	
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.2	0.2	
	Pentachlorobenzene	608-93-5	0.2	0.2	
	Hexachlorobenzene	118-74-1	0.2	0.2	
	2-Chlorotoluene	95-49-8	0.2	0.2	
	3-Chlorotoluene	108-41-8	0.2	0.2	
	4-Chlorotoluene	106-43-4	0.2	0.2	
	2,3-Dichlorotoluene	32768-54-0	0.2	0.2	
	2,4-Dichlorotoluene	95-73-8	0.2	0.2	
	2,5-Dichlorotoluene	19398-61-9	0.2	0.2	
	2,6-Dichlorotoluene	118-69-4	0.2	0.2	
	3,4-Dichlorotoluene	95-75-0	0.2	0.2	
	3,5-Dichlorotoluene	25186-47-4	0.2	0.2	
	2,3,4-Trichlorotoluene	7359-72-0	0.2	0.2	
	2,3,6-Trichlorotoluene	2077-46-5	0.2	0.2	
	2,4,5-Trichlorotoluene	6639-30-1	0.2	0.2	
	2,4,6-Trichlorotoluene	23749-65-7	0.2	0.2	
	3,4,5-Trichlorotoluene	21472-86-6	0.2	0.2	
2,3,4,5-Tetrachlorotoluene	76057-12-0	0.2	0.2		
2,3,5,6-Tetrachlorotoluene	29733-70-8	0.2	0.2		
2,3,4,6-Tetrachlorotoluene	875-40-1	0.2	0.2		
Pentachlorotoluene	877-11-2	0.2	0.2		
2C. Chlorophenols	2-Chlorophenol	95-57-8	0.5	0.05	USEPA 8270 D Solvent extraction, derivatisation with KOH, acetic anhydride followed by GC/MS
	3-Chlorophenol	108-43-0	0.5	0.05	
	4-Chlorophenol	106-48-9	0.5	0.05	
	2,3-Dichlorophenol	576-24-9	0.5	0.05	
	2,4-Dichlorophenol	120-83-2	0.5	0.05	
	2,5-Dichlorophenol	583-78-8	0.5	0.05	



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Group	Substance (Testing parameter)	CAS No.	Report Limit		Name of the testing method
			Wastewater (ug/L)/(ppb)	Sludge (mg/kg)/(ppm)	
	2,6-Dichlorophenol	87-65-0	0.5	0.05	
	3,4-Dichlorophenol	95-77-2	0.5	0.05	
	3,5-Dichlorophenol	591-35-5	0.5	0.05	
	2,3,4-Trichlorophenol	15950-66-0	0.5	0.05	
	2,3,5-Trichlorophenol	933-78-8	0.5	0.05	
	2,3,6-Trichlorophenol	933-75-5	0.5	0.05	
	2,4,5-Trichlorophenol	95-95-4	0.5	0.05	
	2,4,6-Trichlorophenol	88-06-2	0.5	0.05	
	3,4,5-Trichlorophenol	609-19-8	0.5	0.05	
	2,3,4,5-Tetrachlorophenol	4901-51-3	0.5	0.05	
	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	0.05	
	2,3,5,6-Tetrachlorophenol	935-95-5	0.5	0.05	
	Pentachlorophenol (PCP)	87-86-5	0.5	0.05	
2D. Dyes - Azo (Forming Restricted Amines)	4,4'-Methylene-bis-(2-chloro-aniline)	101-14-4	0.1	0.2	EN 14362. Reduction step with Sodiumdithionite, solvent extraction, GC/MS or LC/MS
	4,4'-methylenedianiline	101-77-9	0.1	0.2	
	4,4'-Oxydianiline	101-80-4	0.1	0.2	
	4-Chloroaniline	106-47-8	0.1	0.2	
	3,3'-Dimethoxybenzidine	119-90-4	0.1	0.2	
	3,3'-Dimethylbenzidine	119-93-7	0.1	0.2	
	6-methoxy-m-toluidine (p-Cresidine)	120-71-8	0.1	0.2	
	2,4,5-Trimethylaniline	137-17-7	0.1	0.2	
	4,4'-Thiodianiline	139-65-1	0.1	0.2	
	4-Aminoazobenzene	60-09-3	0.1	0.2	
	4-Methoxy-m-phenylenediamine	615-05-4	0.1	0.2	
	4,4'-Methylene-di-o-toluidine	838-88-0	0.1	0.2	
	2,6-Xylidine	87-62-7	0.1	0.2	
	o-Anisidine	90-04-0	0.1	0.2	
	2-Naphthylamine	91-59-8	0.1	0.2	
	3,3'-Dichlorobenzidine	91-94-1	0.1	0.2	
	4-Aminodiphenyl	92-67-1	0.1	0.2	
	Benzidine	92-87-5	0.1	0.2	
	o-Toluidine	95-53-4	0.1	0.2	
	2,4-Xylidine	95-68-1	0.1	0.2	
	4-Chloro-o-toluidine	95-69-2	0.1	0.2	
	4-Methyl-m-phenylenediamine	95-80-7	0.1	0.2	
o-Aminoazotoluene	97-56-3	0.1	0.2		
5-nitro-o-toluidine	99-55-8	0.1	0.2		
2E. Dyes- Carcinogenic or Equivalent Concern	C.I. Direct Black 38	1937-37-7	500	10	Liquid Extraction LC/MS
	C.I. Direct Blue 6	2602-46-2	500	10	
	C.I. Acid Red 26	3761-53-3	500	10	
	C.I. Basic Red 9	569-61-9	500	10	
	C.I. Direct Red 28	573-58-0	500	10	
	C.I. Basic Violet 14	632-99-5	500	10	
	C.I. Disperse Blue 1	2475-45-8	500	10	
	C.I. Disperse Blue 3	2475-46-9	500	10	
	C.I. Basic Blue 26 (with Michler's Ketone > 0.1%)	2580-56-5	500	10	
	C.I. Basic Green 4	569-64-2	500	10	



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Group	Substance (Testing parameter)	CAS No.	Report Limit		Name of the testing method
			Wastewater (ug/L)/(ppb)	Sludge (mg/kg)/(ppm)	
	(malachite green chloride)				
	C.I. Basic Green 4 (malachite green oxalate)	2437-29-8	500	10	
	C.I. Basic Green 4(malachite green)	10309-95-2	500	10	
	Disperse Orange 11	82-28-0	500	10	
2F. Dyes-disperse (sensitizing)	Disperse Yellow 1	119-15-3	50	2	Liquid Extraction LC/MS
	Disperse Blue 102	12222-97-8	50	2	
	Disperse Blue 106	12223-01-7	50	2	
	Disperse Yellow 39	12236-29-2	50	2	
	Disperse Orange 37/59/76	13301-61-6	50	2	
	Disperse Brown 1	23355-64-8	50	2	
	Disperse Orange 1	2581-69-3	50	2	
	Disperse Yellow 3	2832-40-8	50	2	
	Disperse Red 11	2872-48-2	50	2	
	Disperse Red 1	2872-52-8	50	2	
	Disperse Red 17	3179-89-3	50	2	
	Disperse Blue 7	3179-90-6	50	2	
	Disperse Blue 26	3860-63-7	50	2	
	Disperse Yellow 49	54824-37-2	50	2	
	Disperse Blue 35	12222-75-2	50	2	
	Disperse Blue 124	61951-51-7	50	2	
Disperse Yellow 9	6373-73-5	50	2		
Disperse Orange 3	730-40-5	50	2		
Disperse Blue 35	56524-77-7	50	2		
2G. Flame Retardants	Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	5	1	ISO 22032, USEPA527 and USEPA8321B. Dichloromethane extraction GC/MS or LC/MS(-MS)
	Decabromodiphenyl ether (DecaBDE)	1163-19-5	5	1	
	Tris(2,3-dibromopropyl) phosphate (TRIS/TDBPP)	126-72-7	5	1	
	Pentabromodiphenyl ether (PentaBDE)	32534-81-9	5	1	
	Octabromodiphenyl ether (OctaBDE)	32536-52-0	5	1	
	Bis(2,3-dibromopropyl) phosphate (BIS/BDBPP)	5412-25-9	5	1	
	Tris(aziridinyl)-phosphineoxide (TEPA)	545-55-1	5	1	
	Polybromobiphenyls (PBBs)	59536-65-1	5	1	
	Tetrabromobisphenol A (TBBPA)	79-94-7	5	1	
	Hexabromocyclododecane (HBCDD)	3194-55-6	5	1	
	2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	5	1	
	Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	5	1	
Short chain chlorinated paraffins (SCCPs) (C10-C13)	85535-84-8	5	1		
2H. Glycols	Bis(2-methoxyethyl)-ether	111-96-6	50	10	US EPA 8270



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Group	Substance (Testing parameter)	CAS No.	Report Limit		Name of the testing method
			Wastewater (ug/L)/(ppb)	Sludge (mg/kg)/(ppm)	
	2-ethoxyethanol	110-80-5	50	10	Liquid Extraction LC/MS
	2-ethoxyethyl acetate	111-15-9	50	10	
	Ethylene glycol dimethyl ether	110-71-4	50	10	
	2-methoxyethanol	109-86-4	50	10	
	2-methoxyethylacetate	110-49-6	50	10	
	2-methoxypropylacetate	70657-70-4	50	10	
	Triethylene glycol dimethyl ether	112-49-2	50	10	
2I. Halogenated Solvents	1,2-Dichloroethane	107-06-2	1	2	USEPA 8260B Headspace GC/MS or Purgeand-Trap-GC/MS
	Methylene Chloride	75-09-2	1	2	
	Trichloroethylene	79-01-6	1	2	
	Tetrachloroethylene	127-18-4	1	2	
2J. Organotin Compounds	Mono-, di- and trimethyltin derivatives	Multiple	0.01	0.2	ISO 17353 Derivatisation with NaB(C ₂ H ₅) GC/MS
	Mono-, di- and tri-butyltin derivatives	Multiple	0.01	0.2	
	Mono-, di- and tri-phenyltin derivatives	Multiple	0.01	0.2	
	Mono-, di- and tri-octyltin derivatives	Multiple	0.01	0.2	
	Monomethyltin	Multiple	0.01	0.2	
	Dimethyltin	Multiple	0.01	0.2	
	Trimethyltin	Multiple	0.01	0.2	
	Monobutyltin	Multiple	0.01	0.2	
	Dibutyltin	Multiple	0.01	0.2	
	Tributyltin	Multiple	0.01	0.2	
	Monophenyltin	Multiple	0.01	0.2	
	Diphenyltin	Multiple	0.01	0.2	
	Triphenyltin	Multiple	0.01	0.2	
	Monooctyltin	Multiple	0.01	0.2	
Diocetyl tin	Multiple	0.01	0.2		
Triocetyl tin	Multiple	0.01	0.2		
2K. Perfluorinated and Polyfluorinated Chemicals (PFCs)	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.01	0.10	DIN 38407-42 (modified) Ionic PFC: Concentration or direct injection, LC/MS(-MS); Non-ionic PFC (FTOH): derivatisation with acetic anhydride, followed by GC/MS
	Perfluoro-n-octanoic acid (PFOA)	335-67-1	0.01	0.10	
	Perfluorobutanesulfonic acid (PFBS)	29420-49-3, 29420-43-3	0.01	0.10	
	Perfluoro-n-hexanoic acid (PFHxA)	307-24-4	0.01	0.10	
	8:2 FTOH	678-39-7	1	1	
	6:2 FTOH	647-42-7	1	1	
2L. Phthalates (including all other esthers of phthalic acid)	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	10	2	US EPA 8270D, ISO 18856 Dichloromethane extraction GC/MS
	Dimethoxyethyl phthalate (DMEP)	117-82-8	10	2	
	Di-n-octyl phthalate (DNOP)	117-84-0	10	2	
	Di-iso-decyl phthalate (DIDP)	26761-40-0	10	2	
	Di-iso-nonyl phthalate (DINP)	28553-12-0	10	2	
	Di-n-hexyl phthalate	84-75-3	10	2	



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Group	Substance (Testing parameter)	CAS No.	Report Limit		Name of the testing method
			Wastewater (ug/L)/(ppb)	Sludge (mg/kg)/(ppm)	
	(DnHP)				
	Dibutyl phthalate (DBP)	84-74-2	10	2	
	Butyl benzyl phthalate (BBP)	85-68-7	10	2	
	Dinonyl phthalate (DNP)	84-76-4	10	2	
	Diethyl phthalate (DEP)	84-66-2	10	2	
	Di-n-propyl phthalate (DPRP)	131-16-8	10	2	
	Di-iso-butyl phthalate (DIBP)	84-69-5	10	2	
	Di-cyclohexyl phthalate (DCHP)	84-61-7	10	2	
	Di-iso-octyl phthalate (DIOP)	27554-26-3	10	2	
	1,2-benzenedicarboxylic acid, di-C7-11-branched and linearalkyl esters (DHNUP)	68515-42-4	10	2	
	1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	10	2	
2M. Poly Aromatic Hydrocarbons (PAHs)	Benzo[a]pyrene (BaP)	50-32-8	1	0.2	DIN 38407-39 Solvent extraction GC/MS
	Anthracene	120-12-7	1	0.2	
	Pyrene	129-00-0	1	0.2	
	Benzo[ghi]perylene	191-24-2	1	0.2	
	Benzo[e]pyrene	192-97-2	1	0.2	
	Indeno[1,2,3-cd]pyrene	193-39-5	1	0.2	
	Benzo[j]fluoranthene	205-82-3	1	0.2	
	Benzo[b]fluoranthene	205-99-2	1	0.2	
	Fluoranthene	206-44-0	1	0.2	
	Benzo[k]fluoranthene	207-08-9	1	0.2	
	Acenaphthylene	208-96-8	1	0.2	
	Chrysene	218-01-9	1	0.2	
	Dibenz[a,h]anthracene	53-70-3	1	0.2	
	Benzo[a]anthracene	56-55-3	1	0.2	
	Acenaphthene	83-32-9	1	0.2	
	Phenanthrene	85-01-8	1	0.2	
Fluorene	86-73-7	1	0.2		
Naphthalene	91-20-3	1	0.2		
2N. Volatile Organic Compound (VOCs)	Benzene	71-43-2	1	2	ISO 11423-1 Headspace- or Purge-and-Trap-GC/MS
	Xylene	1330-20-7	1	2	
	o-cresol	95-48-7	1	2	
	p-cresol	106-44-5	1	2	
	m-cresol	108-39-4	1	2	
1A. Conventional Parameters	Temperature	—	N/A	N/A	Apply the standard methods that best apply to the region (ISO, EU, US, China), please refer to ZDHC Wastewater Guidelines for more details on the testing method and the levels
	TSS	—	N/A	N/A	
	COD	—	N/A	N/A	
	Total-N	—	N/A	N/A	
	pH	—	N/A	N/A	
	Color [m ⁻¹] (436nm; 525nm; 620nm)	—	N/A	N/A	
	BOD5	—	N/A	N/A	



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Group	Substance (Testing parameter)	CAS No.	Report Limit		Name of the testing method	
			Wastewater (ug/L)/(ppb)	Sludge (mg/kg)/(ppm)		
	Ammonium-N	—	N/A	N/A	(Foundational, Progressive, and Aspirational). Cyanide: With reference to APHA 4500 CN—B,C&E and followed by UV analysis	
	Total-P	—	N/A	N/A		
	AoX	—	N/A	N/A		
	Oil and Grease	—	N/A	N/A		
	Phenol	—	N/A	N/A		
	Coliform(bacteria/100ml)	—	N/A	N/A		
	Persistent Foam	—	Not visible	Not visible		
	ANIONS					
	Cyanide(CN-)	Various (incl. 57-12-5)	0.02	1		
	Sulfide	—	N/A	N/A		
Sulfite	—	N/A	N/A			
Group	Substance (Testing parameter)	CAS No.	Report Limit		Name of the testing method	
			Wastewater (mg/L) / (ppm)	Sludge (mg/kg) / (ppm)		
1B. Conventional Parameters - METALS	Antimony(Sb)	7440-36-0	0.001	N/A	Various Acid Digestion with ICP analysis please refer to ZDHC Wastewater Guidelines for more details on the testing method and the levels (Foundational, Progressive, and Aspirational). Cr(VI): Various Solvent extraction and derivatisation followed by UV analysis	
	Chromium(Cr), total	7440-47-3	0.001	N/A		
	Cobalt(Co)	7440-48-4	0.001	N/A		
	Copper(Cu)	7440-50-8	0.001	N/A		
	Nickel(Ni)	7440-02-0	0.001	N/A		
	Silver(Ag)	7440-22-4	0.001	N/A		
	Zinc(Zn)	7440-66-6	0.001	N/A		
	Arsenic(As)	7440-38-2	0.001	2		
	Cadmium(Cd)	7440-43-9	0.0001	2		
	Chromium VI(CrVI)	18540-29-9	0.001	2		
	Lead(Pb)	7439-92-1	0.001	2		
	Mercury(Hg)	7439-97-6	0.00005	0.2		
3. Conventional Parameters	Dry mass (total solids)	—	N/A	N/A	US EPA 160.3 / 209A	

Note / Key :

ppm = part(s) per million; ppb = part(s) per billion
 U. S. EPA = United States Environmental Protection Agency
 APHA = American Public Health Association



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APPENDIX C – Onsite Field Data Record Sheet

GENERAL DATA		CP90-AH 00813-DATA 04	
Laboratory Sample Number	721239000	Issue Date:	
Client Name	NURFELD TERBIT, SAN VE TIC 4 B	Version No.:	14
Field Contact Person	Swag Anca	Business Line:	Analytical
Project (Facility Name and Address)	VELMISE DRG SAN BOLDISI B. VANPOL, G4E NO 4B1 EROENG/TEKONGAS		
Sampling Location / Description	BEFORE TREATMENT		
Sample Identification	Zero discharge with sampling plan		
Sample Type	Composite Sample		
Name of Sampler	<i>Phanet Hilary B22</i>		
Discharge mode	Direct discharge to environment (Specify destination: River, Sea, Stream,) OR indirect discharge to sewage treatment plant		
Date of collection	02.09.2021		
Factory Type	Dyeing / Printing / Washing / Finishing / Others (please specify)		
Note: It should be selected more than one			

Field Data for Wastewater		Departure time	
Field Parameters	yes	Temp °C	Color
Control No. of field equipment			Flowrate (volume/time)
Factory with effluent treatment plant	Yes		No
Sample matrix	Wastewater (if required)		
	Wastewater before treatment		
	Wastewater after treatment - water at discharge point		
Sampler container number			
Recording site	ID	1	2
	Time	3	4
pH		5	6
Temp (°C)			
Color (visual observation)			
Flow rate (volume/time)			
Volume collected, ml			
Total volume collected			
Remarks: Total volume collected must be greater than total of sample size required			

Tests (GDHC MRSL Parameters)		Test required (Y)	Total of sample size	Type of container	Preservation method	
Combined test or individual test (Remark 4)	1. Phenols	Y	1000 mL total or 1000 mL each	After Glass vial with red cap	Without adding acid Store sample at 2-8°C	
	2. Chromatophores (Chlorophyll & Rph)	Y				
	3. SOCPs	Y				
	4. AFS	Y				
5. ATECs	Y	100 mL				
6. Chromophores & Cresols	Y	100 mL				
7. Flame retardant	Y	300 mL				
8. Dyes	Y	10 mL				
9. Glycol	Y	50 mL				
10. Herbicides	Y	1000 mL				
11. Herbicides	Y	10 mL				
12. Barred Acetylides	Y	2000 mL				
13. Free primary aromatic amines	Y	500 mL				
14. Organotin Compounds	Y	500 mL				
15. VOC & hydrogenated Solvents (Remark 5)	Y	10 mL				
16. PPCs (Remark 6)	Y	2 mL				PE, washed with positive grade Acetone

721239000 Purified before

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Tests (Conventional Parameters)		Test required (Y)	Total of sample size	Type of container	Preservation method
Combined test or Individual test (Remark 4)	17 Total suspended solids (TSS)		2000 mL total or 2000 mL each	Amber Glass, washed with nitric acid	Without adding acid Store sample at 2-8°C
	18 Total dissolved solids (TDS)				
19 5-day Biochemical Oxygen Demand (BOD5)			1000 mL		
20 Colour			100 mL		
21 Heavy Metals except Cr(VI) & Total P (Remark 6)		Y	3 mL	PE, washed with nitric acid	Acidity to pH 2 with HNO ₃ and store at 2-8°C
22 Cyanide			500 mL	Amber Glass, washed with pesticide grade acetone	Adjust pH 12 with 60% NaOH, add 0.05 mL of 10% Na ₂ S ₂ O ₅ and store sample at 2-8°C
23 Cr(VI)		Y	95 mL	Amber Glass, washed with nitric acid	Filter by 0.45µm filter in field, fill to full container without air gap, adjust pH to 9.0-9.2 by adding aluminum buffer. Store sample at 2-8°C
24 Chemical oxygen demand (COD)			150 mL		Acidity to pH 2 with H ₂ SO ₄ Store sample at 2-8°C
25 Phenols			500 mL		
26 Oil and Grease & Total Hydrocarbon			1000 mL		
27 Formaldehyde			25 mL		Fill to full container without air gap, acidity to pH 2 with H ₂ SO ₄ and store sample at 2-8°C
28 Sulfide (Remark 5)			50 mL	PE, washed with pesticide grade acetone	Fill to full container without air gap, add 2 drops of 20% zinc acetate, adjust pH to 8 with 60% NaOH. Store sample at 2-8°C
29 Total Coliform (Remark 6)			125 mL	PE, clean, sterile, non-reactive	Add 0.05 mL of 10% Na ₂ S ₂ O ₅ Store sample at 2-8°C
30 Faecal Coliform (Remark 6)			125 mL		
31 Persistent foam			N.A.	Foam higher than 45 cm (visual estimation) ... Y/N	
32 Sulfide			100 mL	Amber Glass, washed with pesticide grade acetone	Add 1mL of 1.0% EDTA, 0.5g zinc acetate Store sample at 2-8°C
33 Total-N			100 mL	Amber Glass, washed with nitric acid	Acidity to pH 2 with H ₂ SO ₄ Store sample at 2-8°C
34 Ammonium-N			500 mL		
35 Ascorbically organically bound nitrogen (AOX)			100 mL		
36 Azide azo dye toxicity Lutinus Bacteria, Fish Egg, Daphnia, Algae			1000 mL		Without adding acid Store sample at 2-8°C
37 Sulfate			100 mL		
38 Chloride			100 mL		
39 Others:					

Observation/Remarks:

*Remarks:

- Individual sampling can be performed upon request
- The minimum sampling time for 2019 ZDHC guideline is 6 hours with no more than one hour between discrete samples. Sampling time could be adjusted upon request
- Scope of ZDHC guideline: Parameters 1-9, 12, 14-17, 19-26, 28, 29, 31-35
Scope of synthetic leather industry: Parameter 1-9, 12, 14-21, 23-28, 30, 31, 33, 34, 37, 38
Scope of MMCF: Parameter 5, 15, 17, 19-21, 23-26, 28, 33-35
Free primary amine, pesticides, nitrosamine and formaldehyde are not in the scope of ZDHC Guideline, they are tested upon request.
- Refer to CPSD-AH-000019-STP01, loaders with those CPSD test capacity inside TCO matrix can perform the combined test
- Refer to CPSD-AH-000010-MTHD for additional pretreatment of sulfide if only dissolved sulfide is required to be tested
- Refer to CPSD-AH-00613-MTHG for preparation of field blank for specific parameters

Recorded by:

Ahmet Hilmi BOZ
Full name

Date: 02.09.2021

Comment from factory:

Acknowledgement by factory

I hereby confirmed that Bureau Veritas has completed the stated sampling activity at captioned date, time and location. All sample(s) were collected in designated container(s) and without any observation in leakage. Sample(s) collected by Bureau Veritas were stored in portable freezer / fridge that is maintained in -16°C.

Signature of Factory Representative

Full Name: Nuryıldız
NURYILDIZ

TEKSTİL SANAYİ VE TİCARET A.Ş.
Velmeşe Organize Sanayi Bölgesi Mah.
E. Yarıyol Cad No 46/1 Ergene-TEKİRDAĞ
Tel:0282 674 48 09 Fax:0282 674 48 06
Pazarlama M.D. M. R. 155 004 2000

Date: 02.09.2021



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**FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE
(COMPOSITE / INDIVIDUAL SAMPLING)**

CPSD-AN-00613-DATA 04
 Issue Date: _____
 Version No.: 14
 Business Line: Analytical

General Data

Laboratory Sample Number: 72212390020

Client Name: NURYILDIZ TEKSTIL SAN. VE TIC. A.Ş.

Field Contact Person: Serap Akca Phone No: 0362 874 40 09

Project (Facility Name and Address): VELİMİŞE ORG. SAN. BÖLGESİ 8. YANVOL CAD. NO 45/1 ERGENEKTEKİRDAĞ

Sampling Location / Description: AFTER TREATMENT

Sample Identification: Zero discharge with sampling point

Sample Type: Composite Sample / Grab sample (Please denote as appropriate)

Name of Sampler: Abner + Hilmi Boz

Discharge mode: Discharge to environment (Specify destination: River, Sea, Stream) / OR (Indicate discharge to sewage treatment plant)

Date of collection: 02.09.2021

Factory Type: Dyeing / Finishing / Washing / Finishing / Others (please specify): _____

*Note: It would be selected more than one

Field Data for Wastewater

Arrival Time	Departure Time		Flow rate (volume/min)					
Field Parameters	pH	Temp. °C	Color	Flow rate				
Control No. of field equipment								
Factory with effluent treatment plant								
Sample matrix	<input type="checkbox"/> Wastewater before treatment <input checked="" type="checkbox"/> Wastewater after treatment - water at discharge point							
Sampler container number								
Recording time	1	2	3	4	5	6	7	8
	11.50	12.50	13.50	14.50	15.50	16.50		
pH	8.95	8.84	8.95	8.90	8.64	9.04		
Temp (°C)	30.9	32.9	32.6	32.7	30.0	32.5		
Color (visual estimation)	light pink	light purple	light purple	light purple	light purple	light purple		
Flow rate (volume/min)								
Volume collected mL								
Total volume collected	Remark: Total volume collected must be greater than total of sample size required							

Analysis Required and Preservation Method

Tests (ZDHC MRSL Parameters)	Test required (Y)	Total of sample size	Type of container	Preservation method
Combined test or Individual test (Remark 4)	1. Phthalate	✓	Amber Glass washed with nitric acid	Without adding any Store sample at 2-8°C
	2. Chlorobenzenes, Chlorotoluene & PAH	✓		
	3. SCCPs	✓		
	4. APS	✓		
5. APEDs	✓	100 mL		
6. Chlorophenols & Cresols	✓	100 mL		
7. Flame retardant	✓	500 mL		
8. EPEs	✓	10 mL		
9. Dyes	✓	50 mL		
10. *Pesticides	✓	1000 mL		
11. *Microamine	✓	10 mL		
12. *Banned Acridyes	✓	2000 mL		
13. *Free primary aromatic amines	✓	500 mL		
14. Organotin Compounds	✓	500 mL		
15. VOC & Halogenated Solvents (Remark 6)	✓	10 mL		
16. PPCs (Remark 6)	✓	2 mL		

72212390020 Nuryildiz.aher

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FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE (COMPOSITE / INDIVIDUAL SAMPLING)				CPSD-AN-00613-DATA 04	
				Issue Date:	
				Version No.: 14	
				Business Line: Analytical	
Tests (Conventional Parameters) or Individual test (Remark 4)	Test required (Y)	Total of sample size	Type of container	Preservation method	
17 Total suspended solids (TSS) 18 Total dissolved solids (TDS)	✓	2000 mL total or 2000 mL each	Amber Glass, washed with nitric acid.	Without adding acid. Store sample at 2-8°C	
19 5-day Biochemical Oxygen Demand (BOD ₅)	✓	1000 mL			
20 Colour	✓	100 mL			
21 Heavy Metals except Cr(VI) & Total-P (Remark 6)	✓	5 mL	PE, washed with nitric acid	Acidify to pH 2 with HNO ₃ and store at 2-8°C	
22 Cyanide	✓	500 mL	Amber Glass, washed with pesticide grade acetone	Adjust pH to 12 with 50% NaOH, add 0.20 mL of 10% Na ₂ O ₂ , and store sample at 2-8°C	
23 Cr(VI)	✓	50 mL		Filter by 0.45µm filter in field, fill in full container without air gap, adjust pH to 8-9 by adding ammonium buffer. Store sample at 2-8°C	
24 Chemical oxygen demand (COD)	✓	150 mL			
25 Phenols	✓	500 mL	Amber Glass, washed with nitric acid	Acidify to pH 2 with H ₂ SO ₄ , Store sample at 2-8°C	
26 Oil and Grease & Total Hydrocarbon	✓	1000 mL			
27 Formaldehyde	✓	25 mL		Fill to full container without air gap, acidify to pH 2 with H ₂ SO ₄ and store sample at 2-8°C	
28 Sulfide (Remark 5)	✓	50 mL	PE, washed with pesticide grade Acetone.	Fill to full container without air gap, add 2 drops of 2M zinc acetate, adjust pH to 9 with 6M NaOH. Store sample at 2-8°C	
29 Total Coliform (Remark 6)	✓	125 mL	PE, clean, sterile, non reactive	Add 0.25 mL of 10% Na ₂ CO ₃ . Store sample at 2-8°C	
30 Faecal Coliform (Remark 6)	✓	125 mL			
31 Persistent foam	✓	N/A	Foam higher than 45 cm (visual estimation) ... Yes / No		
32 Sulfite	✓	100 mL	Amber Glass, washed with pesticide grade acetone	Add 1 mL of 2.5% EDTA, 0.5g zinc acetate. Store sample at 2-8°C	
33 Total-N	✓	100 mL			
34 Ammonium-N	✓	300 mL			
35 Adsorbable organically bound halogens (AOX)	✓	100 mL	Amber Glass washed with nitric acid.	Acidify to pH 2 with H ₂ SO ₄ , Store sample at 2-8°C	
36 Acute aquatic toxicity Luminescent Bacteria, Fish Egg, Daphnia, Algae	✓	1000 mL			
37 Sulfate	✓	100 mL		Without adding acid. Store sample at 2-8°C	
38 Chloride	✓	100 mL			
39 Others					
Observation Remark:					

Remarks:

- Individual sampling can be performed upon request
- The minimum sampling time for 2019 ZDHC guideline is 9 hours with no more than one hour between discrete samples. Sampling time could be adjusted upon request.
- Scope of ZDHC guideline: Parameter 1-9, 12, 14-17, 19-25, 28, 29, 31-35
Scope of synthetic leather industry: Parameter 1-9, 12, 14-21, 23-26, 28, 30, 31, 33, 34, 37, 38
Scope of MMCF: Parameter 5, 15, 17, 19-21, 23 - 26, 28, 35-38
Five primary aromatic amines, pesticides, nitrosamine and formaldehyde are not in the scope of ZDHC Guideline, they are tested upon request.
- Refer to CPSD-AN-000013-DTP01, locations with these CPSD test capability inside TCO matrix can perform the combined test
- Refer to CPSD-AN-000570-MTHD for additional pretreatment of sulfide if only dissolved sulfide is required to be tested
- Refer to CPSD-AN-00613-MTHD for preparation of field blanks for specific parameters

Recorded by:

Ahmet Hilmi BOZ
Full name:

Date: 02.09.2021

Contract from factory:

Acknowledgement by factory:

I hereby confirm that Bureau Veritas has completed the stated sampling activity at captioned date, time and location. All sample(s) is/are collected in designated container(s) and without any observation in leakage. Sample(s) collected by Bureau Veritas is/are stored in portable freezer / fridge that is maintained in 1-8°C.

Signature of Factory Representative:

Full Name:

Pyküt TRINCA

Date:

02.09.2021

NURYILDIZ
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