

TEST REPORT

May 16th, 2022 **Technical Report:** (7222)108-0476

April 29th, 2022 Date Received: Page 1 of 16

PU No. 10090

Production Unit Name: GAMATEKS TEKSTIL SAN. TIC. A.S.

Production Unit Address: OSB AHMET UZ CADDESI NO:60 20330 HONAZ/DENIZLI-TURKEY

Project No.:

Client Reference No.:

Sample Method: 1001) Raw Wastewater - 6 hours Time - weighted Composite

April 28th,2022 Sample Pick Up Date: Discharge Type: Indirect Discharge

On-Site Effluent Treatment No

Plant (ETP):

Wastewater Discharge to: Centralized ETP

Off-site ETP name (if

applicable):

Off-site ETP address (if

applicable):

Denizli Organized Industrial Zone

OSB Yasar Oncan Cad. No:1 20330 Honaz/Denizli

April 29th, 2022- May 16th, 2022 Test Period:

Sample Description:

I001) Brown/Purple/Red/Green liquid - Raw Wastewater

Bureau Veritas Consumer Products Services, Inc. Yalçın Koreş Caddesi No:22 Erdinç Binaları A Blok 2. Kule 1. Kat 34209 Güneşli, İstanbul / Turkey Tel:+90.212.494 35 35 Fax:+90.212.494 35 60 email:info.turkey@bvcps.com.tr website: www.bureauveritas.com/cps

http://www.bureauveritas This.com/home/about-us/our-business/cps/about-us/terms-conditions/and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this



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<u>REMARK1:</u> Please refer to discharge criteria of the offsite ETP attached at the end of this report.

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 <u>Ayca.cevikus@bureauveritas.com</u>

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 Regional Manager-Turkey, Middle East

&Africa
ZDHC- Higg FEMChemical Discharge
Monitoring

Kerem Can Deputy General Manager & Operation Manager



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Executive Summary

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

Note / Key:

- □ –Meet discharge license criteria
- -Exceeding discharge license criteria
- NR Not Requested / Not required
- $\ \ \, \ \ \, N/A Not \ Applicable$

ZDHC MRSL Substances	I001					
2A) APs and APEOs o						
2B) Chlorobenzenes and Chlorotoluenes	0					
2C) Chlorophenols	0					
2D) Azo Dyes	0					
2E) Carcinogenic Dyes	0					
2F) Disperse Dyes	0					
2G) Flame Retardants	0					
2H) Glycols	0					
2I) Halogenated Solvents	0					
2J) Organotin Compounds	0					
2K) Perfluorinated and Polyfluorinated Chemicals	0					
2L) Phthalates	0					
2M) Poly Aromatic Hydrocarbons	0					
2N) Volatile Organic Compounds	0					

Note / Key:

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



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Objective

The environment sample was tested for below 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 Procedure

Total number of sample collected is based on the actual factory facilities and manufacturing processes. One environment sample was sampled per factory, including 1) Raw Wastewater.

Method of sampling used is time-weighted composite samples based on the ZDHC Wastewater Guidelines. Composite sampling is performed for no less than six hours, with no more than one hour between discrete samples. Each discrete sample is of equal volume. Wastewater and freshwater samples is, as much as possible, collected simultaneously, during the time that PU is in normal operation. The sampling aims 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 on-site photos are attached in Appendix A and field data records are attached in Appendix C.



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1B) Conventional Parameters – METALS

Heavy Metals	I001 (mg/L)
Antimony(Sb)	1002 (1118/12)
Discharge License Criteria: Not applicable	0.0154
Chromium(Cr), total	0.0432
Discharge License Criteria: 1 mg/L	(Comply with discharge license)
Cobalt(Co)	
Discharge License Criteria: Not applicable	ND
Copper(Cu)	0.5117
Discharge License Criteria: 15 mg/L	(Comply with discharge license)
Nickel (Ni)	
Discharge License Criteria: Not applicable	0.0838
Silver (Ag)	
Discharge License Criteria: Not applicable	ND
Zinc(Zn)	0.2992
Discharge License Criteria: 3 mg/L	(Comply with discharge license)
Arsenic (As)	
Discharge License Criteria: Not applicable	0.0068
Cadmium(Cd)	ND
Discharge License Criteria: 0.1 mg/L	(Comply with discharge license)
Lead(Pb)	0.0016
Discharge License Criteria: 1 mg/L	(Comply with discharge license)
Mercury (Hg)	ND
Discharge License Criteria: 0.10 mg/L	(Comply with discharge license)
Chromium VI(CrVI)	ND
Discharge License Criteria: 0.5 mg/L	(Comply with discharge license)



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Others Priority Chemical Groups

	I001 (ug/L)
2A) APs and APEOs	ND
2B) Chlorobenzenes and Chlorotoluenes	ND
2C) Chlorophenols	ND
2D) Azo Dyes	ND
2E) Carcinogenic Dyes	ND
2F) Disperse Dyes	ND
2G) Flame Retardants	ND
2H) Glycols	ND
2I) Halogenated Solvents	ND
2J) Organotin Compounds	ND
2K) Perfluorinated and Polyfluorinated Chemicals	ND
2L) Phthalates	ND
2M) Poly Aromatic Hydrocarbons	ND
2N) Volatile Organic Compounds	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. NR-Not Requested



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APPENDIX A - Photo of the Sample/ Sampling Location

I001) Sampling Point N/S 37° 48′ 2.99″ E/W 29° 14′ 34.43″



I001) Sampling Point Surrounding Environment N/S 37° 48′ 2.99″ E/W 29° 14′ 34.43″



I001) All sampled bottles with label



I001) pH value



I001) Sample for Phthalate Testing



I001) Packaging





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APPENDIX B

Parameters, limits and testing method aligned with the ZDHC Wastewater Guidelines

Group	Substance (analytes)	CAS No.	Detection Limit (µg/L)	Testing method		
	Octylphenol OP, mixed isomers	Various (incl. 140-66-9, 1806-26-4, 27193-28-8)		NP/OP: ISO 18857-2 (modified dichloromethane		
2A. Alkylphenol (AP) and Alkylphenol	Nonylphenol NP	Various (incl. 104-40-5, 11066-49-2, 25154-52-3, 84852-15-3)	5	extraction) or ASTM D7065 (GC/MS or LC/MS(-MS)		
Ethoxylates (APEOs): including all isomers	Octylphenol ethoxylates (OPEO)	Various (incl. 9002-93-1, 9036-19-5, 68987-90-6)		OPEO/NPEO (n>2): ISO 18254-1 OPEO/NPEO: ISO18857-2 or ASTM		
	Nonylphenol ethoxylates (NPEO)	Various (inc. 9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0)		D7065(LC/MS; GC/MS or LC/MSMS for n=1,2)		
	Monochlorobenzene	108-90-7				
	1,2-Dichlorobenzene	95-50-1				
	1,3-Dichlorobenzene	541-73-1				
	1,4-Dichlorobenzene	106-46-7				
	1,2,3-Trichlorobenzene	87-61-6				
	1,2,4-Trichlorobenzene	120-82-1				
	1,3,5-Trichlorobenzene	108-70-3				
	1,2,3,4-Tetrachlorobenzene					
	1,2,3,5-Tetraclorobenzene	634-90-2				
	1,2,4,5-Tetrachlorobenzene	95-94-3				
	Pentachlorobenzene	608-93-5	4			
	Hexachlorobenzene	118-74-1	4	USEPA 8260B,8270D.		
	2-Chlorotoluene	95-49-8				
2B. Chlorobenzenes	3-Chlorotoluene 4-Chlorotoluene	108-41-8 106-43-4				
and Chlorotoluenes	2,3-Dichlorotoluene	32768-54-0	0.2	Dichloromethane		
and Chlorotoluenes		95-73-8		extraction followed by GC/MS		
	2,4-Dichlorotoluene 2,5-Dichlorotoluene	19398-61-9	+	GC/MS		
	2,6-Dichlorotoluene	118-69-4	+			
	3,4-Dichlorotoluene	95-75-0	-			
	3,5-Dichlorotoluene	25186-47-4	=			
	2,3,4-Trichlorotoluene	7359-72-0	1			
	2.3.6-Trichlorotoluene	2077-46-5	1			
	2,4,5-Trichlorotoluene	6639-30-1	1			
	2,4,6-Trichlorotoluene	23749-65-7				
	3,4,5-Trichlorotoluene	21472-86-6				
	2,3,4,5-Tetrachlorotoluene	76057-12-0				
	2,3,5,6-Tetrachlorotoluene	29733-70-8				
	2,3,4,6-Tetrachlorotoluene	875-40-1	7			
	Pentachlorotoluene	877-11-2	7			
	Pentachlorophenol (PCP)	87-86-5		LICEDA 9270 D		
	2,3,4,5-Tetrachlorophenol	4901-51-3		USEPA 8270 D Solvent extraction.		
2C. Chlorophenols	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	derivatisation with		
2C. Chiorophenois	2,3,5,6-Tetrachlorophenol	935-95-5	0.3			
	2,4,6-Trichlorophenol	88-06-2		KOH, acetic anhydride followed by GC/MS		
	2,3,5-Trichlorophenol	933-78-8		Tollowed by GC/MS		



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2,4.5 Trichlorophenol	Group	Substance (analytes)	CAS No.	Detection Limit (µg/L)	Testing method	
3.4.5-Trichlorophenol 1990-06-0-0		2,4,5-Trichlorophenol	95-95-4		ISO 14154:2005	
2.3.6-Trichlorophenol 33.75.5		3,4,5-Trichlorophenol	609-19-8		100 1110 1.2000	
2.3-Dichtorophenol 376-24-9 3.4-Dichtorophenol 95-77-2 2.4-Dichtorophenol 120-83-2 2.5-Dichtorophenol 581-78-8 3.5-Dichtorophenol 581-78-8 3.5-Dichtorophenol 581-78-8 3.5-Dichtorophenol 581-83-8 3.5-Dichtorophenol 150-83-8 3.5-Dichtorophenol 150-84-9 4.5-Dichtorophenol 106-48-9 4.5-Dichtorophenol 106-47-5 4.5-Dichtorophenol 106-47-5 4.5-Dichtorophenol 106-47-8			15950-66-0			
3.4-Dichlorophenol 95-77-2						
2.4-Dichlorophenol 10.83.2 2.5-Dichlorophenol 58.78.8 3.6-Dichlorophenol 59.57.8 3.5-Dichlorophenol 95.57.8 3.Chlorophenol 108.43.0 4.Chlorophenol 108.43.0 4.Chlorophenol 108.43.0 4.Chlorophenol 106.48.9 4.Ammodiphenyl 92.67-1 8.Chlorophenol 95.59.2 2.Naphthylamine 91.59.8 0.Aminoazolothene 97.56.3 9.5-Dichlorophenol 95.58.8 4.Chloro-o-loulidine 99.55.8 4.Chloro-o-loulidine 91.94-1 3.3.1-Dinethloxy-o-loulidine 91.94-1 3.3.1-Dinethloxy-o-loulidine 91.94-1 4.4.1-Mindianine 91.94-1 4.4.1-Mindianine 91.94-1 4.4.1-Mindianine 91.94-1 4.4.1-Mindianine 91.04.1 4.4.1-Mindianine 91.04.1 4.4.1-Mindianine 91.04.1 4.4.1-Mindianine 91.04.1 4.4.1-Mindianine 91.04.1 4.4.1-Mindianine 95.53.4 4.Methylen-bi-s-(2-chloro-aniine) 95.53.4 4.Methylen-bi-s-(2-chloro-aniine) 95.60.7 2.4.5-Trimethylaniline 95.6						
2.5-Dichlorophenol \$38.78.8 2.6-Dichlorophenol \$91.35.5 2.Chlorophenol \$91.35.5 2.Chlorophenol 108.43-0 4.Chlorophenol 106.48-5 4.Chlorophenol 106.48-5 4.Chlorophenol 92.67-1 Benzidine 92.87-5 4.Chloro-o-loukidine 97.69-2 2.Naphthylamine 91.59-8 0.Aminoazololuene 97.56-3 5nitro-o-tolukine 99.55.8 4.Chloromiline 106.47-8 4.Methoxy-m-pherylenenkaimine 101.77-9 3,3-Dichlorobenzidine 91.94-1 3,3-Dimethoxybenzidine 119.90-4 3,3-Dimethoxybenzidine 119.90-4 3,3-Dimethoxybenzidine 19.93-7 4.Chloromiline 10.80-4						
2.6 Dichlorophenol \$7-65-0						
3.5-Dichtorophenol 591-35-5 2-Chforophenol 108-43-0 4-Chforophenol 108-43-0 4-Chforophenol 108-43-0 4-Chforophenol 108-43-0 4-Chforophenol 108-43-0 4-Chforophenol 92-67-1 8-minodiphenyl 92-67-1 8-minodiphenyl 92-67-1 8-minodiphenyl 92-87-5 4-Chforo-o-toluidine 92-87-5 4-Chforo-o-toluidine 97-86-3 3-mino-a-toluidine 99-55-8 4-Chforo-o-toluidine 99-55-8 4-Chforo-o-toluidine 99-55-8 4-Chforo-o-toluidine 99-55-8 4-Chforo-o-toluidine 101-77-9 3.7-Dichforobenzidine 101-77-9 3.7-Dichforobenzidine 119-90-4 3.7-Dinethoxybenzidine 119-90-4 3.7-Dinethoxybenzidine 119-90-4 3.7-Dinethoxybenzidine 119-90-4 3.7-Dinethoxybenzidine 119-90-4 4.4-Methylene-dis-o-toluidine 120-71-8 101-14-4 4.4-Methylene-dis-o-toluidine 120-71-8 4.4-Methylene-dis-o-toluidine 101-14-4 4.4-Tinoidaniline 101-14-4 4.4-Tinoidaniline 101-80-4 4.4-Tinoidaniline 139-65-1 0-Toluidine 95-53-4 4-Methyl-m- 95-53-4 4-Methyl-m- 95-53-4 4-Methyl-m- 95-58-1 2.4-5-Timethylaniline 137-17-7 0-Anisdine 90-04-0 4-Aminoazobenzene 60-09-3 2.4-Xylidine 95-68-1 2.6-Xylidine 95-68-1 2.6						
2-Chlorophenol 95-57-8 3-Chlorophenol 106-48-9						
3.Chlorophenol 108.43-0		1				
4-Chlorophenol 106-48-9						
4-Aminodiphenyl 92-67-1						
Benzidine						
4.Chloro-toluidine 95-69-2						
2.Naphthylamine						
O-Aminozotoluene 97.56-3						
S-nitro-o-toluidine						
4Chloroaniline						
4-Methoxy-m-phenylenediamine 101-77-9						
Phenylenediamine			106-47-8			
2D. Dyes - Azo (Forming Restricted Amines) 2D. Dyes - Azo (Forming Restricted Amines) 2D. Dyes - Azo (Forming Restricted Amines) 4.4°-Methylene-di-o-toluidine (Poresidine) 4.4°-Methylene-bis-(2-chloro-aniline) 4.4°-Methylene-bis-(2-chloro-aniline) 4.4°-Noydianiline 4.4°-Noydianiline 101-14-4 4.4°-Thiodianiline 101-80-4 4.4°-Thiodianiline 139-65-1 0-Toluidine 95-53-4 4-Methyl-m-phenylenediamine 2.4.5-Trimethylaniline 137-17-7 0-Anisidine 95-80-7 phenylenediamine 2.4-Xylidine 95-88-1 2.6-Xylidine 95-68-1 2.6-Xylidine 75-62-7 C.I. Direct Black 38 1937-37-7 C.I. Direct Black 38 1937-37-7 C.I. Direct Black 38 C.I. Basic Red 9 509-61-9 C.I. Basic Red 9 509-61-9 C.I. Direct Blue 1 2475-45-8 C.I. Disperse Blue 1 2475-45-9 C.I. Disperse Blue 1 2475-46-9 C.I. Basic Green 4 (malachite green coxalate)		phenylenediamine				
2D. Dyes - Azo (Forming Restricted Amines) 2D. Dyes - Azo (Forming Restricted Amines) 13,3°-Dimethylbenzidine 119-90-4 4,4°-Methylene-di-o-toluidine (p- Cresidine) 4,4°-Methylene-bis-(2-chloro- aniline) 4,4°-Doxydianiline 101-80-4 4,4°-Thiodianiline 139-65-1 0-Toluidine 95-53-4 4-Methyl-m- phenylenediamine 2,4,5°-Trimethylaniline 137-17-7 0-Anisidine 90-04-0 4-Aminoazobenzene 60-09-3 2,4-Xylidine 95-68-1 2,6-Xylidine 87-62-7 C.1. Direct Black 38 1937-37-7 C.1. Direct Red 28 573-38-0 C.1. Basic Red 9 569-61-9 C.1. Direct Red 28 573-88-0 C.1. Disperse Blue 1 2475-45-8 C.1. Disperse Blue 2 2475-46-9 C.1. Disperse Blue 3 2475-46-9 C.1. Disperse Blue 3 2475-46-9 C.1. Basic Green 4 (malachite green cohloride) C.1. Basic Green 4 (malachite green coxalate) C.2. Basic Green 4 (malachite green coxalate) C.3. Basic Green 4 (malachite green coxalate) C.4. Basic Green 4 (malachite green coxalate) C.5. Basic Green 4 (malachite green coxalate) C.6. Basic Green 4 (malachite green coxalate)						
2D. Dyes - Azo (Forming Restricted Amines)						
Advance Adva						
Gorming Restricted Amines 4.4-Methylene-di-0-folludine 5.88-88-0 120-71-8 6-methoxy-m-toluidine (p-Cresidine) 120-71-8 101-14-4 101-80-4 4.4'-Oxydianiline 101-80-4 4.4'-Thiodianiline 139-65-1 0-Toluidine 95-53-4 4-Methyl-m-phenylenediamine 2.4.5-Trimethylaniline 137-17-7 0-Anisidine 90-04-0 4-Aminoazobenzene 60-09-3 2.4-Xylidine 95-68-1 2.6-Xylidine 95-68-1 2.6-Xylidine 95-68-1 2.6-Xylidine 87-62-7 C.1. Direct Black 38 1937-37-7 C.2. Direct Black 38 1937-37-7 C.3. Basic Red 9 569-61-9 C.3. Basic Red 9 569-61-9 C.3. Basic Red 9 569-61-9 C.3. Basic Green 4 (malachite green chloride) C.3. Basic Green 4 (malachite green chloride) C.3. Basic Green 4 (malachite green oxalate) C.4. Basic Green 4 (m	2D Dyes - Azo					
Amines) 6-methoxy-m-toluidine (p-Cresidine) 4,4'-Methylene-bis-(2-chloro-aniline) 4,4'-Methylene-bis-(2-chloro-aniline) 4,4'-Thiodianiline 1139-65-1 0-Toluidine 4-Methyl-m-phenylenediamine 2,4,5-Trimethylaniline 137-17-7 0-Anisidine 90-04-0 4-Aminoazobenzene 60-09-3 2,4-Xylidine 2,6-Xylidine 2,6-Xylidine 2,6-Xylidine 2,6-Xylidine 2,6-Xylidine 2,6-Xylidine 2,6-Xylidine 2,6-Xylidine 2,6-Xylidine 37-37-7 C.I. Direct Black 38 1937-37-7 C.I. Direct Black 38 1937-37-7 C.I. Direct Black 38 1937-37-7 C.I. Direct Blace 49 C.I. Direct Red 28 573-58-0 C.I. Basic Red 9 C.I. Direct Red 28 573-58-0 C.I. Disperse Blue 1 2475-45-8 C.I. Disperse Blue 3 2475-46-9 C.I. Disperse Blue 3 C.I. Basic Green 4 (malachite green chloride)			838-88-0	0.1		
Cresidine 4,4'-Methylene-bis-(2-chloro-aniline)			120-71-8			
Aniline A.4 - Oxydianiline A.5 - Oxydianiline			120 /1 0			
4,4'-Thiodianiline		aniline)			GC/MS or LC/MS	
o-Toluidine 4-Methyl-m- phenylenediamine 2.4,5-Trimethylaniline 395-80-7 o-Anisidine 4-Aminoazobenzene 60-09-3 2,4-Xylidine 95-68-1 2,6-Xylidine 95-68-1 2,6-Xylidine 0-1. Direct Black 38 1937-37-7 C.I. Direct Blue 6 C.I. Direct Blue 6 C.I. Acid Red 26 C.I. Acid Red 26 C.I. Basic Red 9 C.I. Basic Red 9 C.I. Direct Blue 3 C.I. Direct Blue 3 C.I. Direct Blue 3 C.I. Disperse Blue 1 C.I. Disperse Blue 1 C.I. Disperse Blue 3 C.I. Basic Green 4 (malachite green chloride) C.I. Basic Green 4 (malachite green oxalate)		4,4`-Oxydianiline	101-80-4			
4-Methyl-m- phenylenediamine 2,4,5-Trimethylaniline 137-17-7 0-Anisidine 4-Aminoazobenzene 60-09-3 2,4-Xylidine 2,6-Xylidine 2,6-Xylidine 87-62-7 C.I. Direct Black 38 1937-37-7 C.I. Direct Blue 6 2602-46-2 C.I. Acid Red 26 C.I. Acid Red 26 C.I. Basic Red 9 569-61-9 C.I. Direct Red 28 573-58-0 C.I. Basic Violet 14 632-99-5 C.I. Disperse Blue 1 2475-45-8 C.I. Disperse Blue 2 C.I. Disperse Blue 2 C.I. Basic Green 4 (malachite green chloride) C.I. Basic Green 4 (malachite green oxalate)						
phenylenediamine 2,4,5-Trimethylaniline 0-Anisidine 4-Aminoazobenzene 60-09-3 2,4-Xylidine 95-68-1 2,6-Xylidine 87-62-7 C.I. Direct Black 38 1937-37-7 C.I. Direct Blue 6 2602-46-2 C.I. Acid Red 26 C.I. Acid Red 26 C.I. Direct Red 28 C.I. Disperse Blue 1 2475-45-8 C.I. Disperse Blue 3 2475-46-9 C.I. Basic Green 4 (malachite green chloride) C.I. Basic Green 4 (malachite green oxalate)			95-53-4			
2,4,5-Trimethylaniline 137-17-7 0-Anisidine 90-04-0 4-Aminoazobenzene 60-09-3 2,4-Xylidine 95-68-1 2,6-Xylidine 87-62-7 2,6-Xylidine 87-62-7 C.I. Direct Blue 38 1937-37-7 C.I. Direct Blue 6 2602-46-2 C.I. Acid Red 26 3761-53-3 C.I. Basic Red 9 569-61-9 C.I. Direct Red 28 573-58-0 C.I. Disperse Blue 1 2475-45-8 C.I. Disperse Blue 1 2475-45-8 C.I. Disperse Blue 3 2475-46-9 C.I. Basic Green 4 (malachite green chloride) C.I. Basic Green 4 (malachite green oxalate) C.I. Basic Green			95-80-7			
O-Anisidine 90-04-0 4-Aminoazobenzene 60-09-3 2,4-Xylidine 95-68-1 2,6-Xylidine 87-62-7 C.I. Direct Black 38 1937-37-7 C.I. Direct Blue 6 2602-46-2 C.I. Acid Red 26 3761-53-3 C.I. Basic Red 9 569-61-9 C.I. Direct Red 28 573-58-0 C.I. Basic Violet 14 632-99-5 C.I. Disperse Blue 1 2475-45-8 C.I. Disperse Blue 3 2475-46-9 C.I. Basic Blue 26 (with Michler's Ketone > 0.1%) C.I. Basic Green 4 (malachite green chloride) C.I. Basic Green 4 (malachite green oxalate) C.I. Basic Green 4 (malachite green oxalate) C.I. Basic Green 4 (malachite green 4 (malachite green 4 (malachite green oxalate) C.I. Basic Green 4 (malachite 10309-95-2						
4-Aminoazobenzene 60-09-3 2,4-Xylidine 95-68-1 2,6-Xylidine 87-62-7 C.I. Direct Black 38 1937-37-7 C.I. Direct Blue 6 2602-46-2 C.I. Acid Red 26 3761-53-3 C.I. Basic Red 9 569-61-9 C.I. Direct Red 28 573-58-0 C.I. Disperse Blue 1 2475-45-8 C.I. Disperse Blue 1 2475-46-9 C.I. Disperse Blue 3 2475-46-9 C.I. Basic Green 4 (malachite green chloride) C.I. Basic Green 4 (malachite green oxalate)						
2,4-Xylidine 95-68-1 2,6-Xylidine 87-62-7						
2,6-Xylidine						
C.I. Direct Black 38 1937-37-7						
C.I. Direct Blue 6 2602-46-2						
C.I. Acid Red 26 3761-53-3				4		
C.I. Basic Red 9 569-61-9				_		
C.I. Direct Red 28 573-58-0				4		
2E. Dyes- Carcionogenic or Equivalent Concern C.I. Basic Violet 14 C.I. Disperse Blue 1 2475-45-8 C.I. Disperse Blue 3 2475-46-9 C.I. Basic Blue 26 (with Michler's Ketone > 0.1%) C.I. Basic Green 4 (malachite green chloride) C.I. Basic Green 4 (malachite green oxalate) C.I. Basic Green 4 (malachite green 4				4		
2E. Dyes- Carcionogenic or Equivalent Concern C.I. Disperse Blue 1 C.I. Disperse Blue 3 C.I. Disperse Blue 3 C.I. Disperse Blue 3 C.I. Basic Blue 26 (with Michler's Ketone > 0.1%) C.I. Basic Green 4 (malachite green chloride) C.I. Basic Green 4 (malachite green oxalate) C.I. Basic Green 4 (malachite green 4				4		
Carcionogenic or Equivalent Concern C.I. Disperse Blue 3 C.I. Basic Blue 26 (with Michler's Ketone > 0.1%) C.I. Basic Green 4 (malachite green chloride) C.I. Basic Green 4 (malachite green oxalate) C.I. Basic Green 4 (malachite green 4 (malachite green 4 (malachite green oxalate) C.I. Basic Green 4 (malachite				_		
Carcionogenic or Equivalent Concern C.I. Disperse Blue 3 24/5-46-9 C.I. Basic Blue 26 (with Michler's Ketone > 0.1%) C.I. Basic Green 4 (malachite green chloride) C.I. Basic Green 4 (malachite green oxalate) C.I. Basic Green 4 (malachite green 4 (malachite green oxalate) C.I. Basic Green 4 (malachite green 4 (2E. Dyes-			_	Liquid Enter - ti	
Michler's Ketone > 0.1%) C.I. Basic Green 4 (malachite green chloride) C.I. Basic Green 4 (malachite green oxalate) C.I. Basic Green 4 (malachite green oxalate) C.I. Basic Green 4 (malachite green oxalate) 10309-95-2	Carcionogenic or		2473-40-9	500	-	
green chloride) C.I. Basic Green 4 (malachite green oxalate) C.I. Basic Green 4(malachite display="3">2437-29-8	Equivalent Concern	Michler's Ketone > 0.1%)	2580-56-5		LC/IVIS	
green oxalate) C.I. Basic Green 4(malachite 10309-95-2		•	569-64-2			
C.I. Basic Green 4(malachite 10309-95-2			2437-29-8			
green)			10309-95-2			



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Group	Substance (analytes)	CAS No.	Detection Limit (µg/L)	Testing method	
	Disperse Orange 11	82-28-0			
	Disperse Yellow 1	119-15-3			
	Disperse Blue 102	12222-97-8			
	Disperse Blue 106	12223-01-7			
	Disperse Yellow 39	12236-29-2			
	Disperse Orange 37/59/76	13301-61-6			
	Disperse Brown 1	23355-64-8			
	Disperse Orange 1	2581-69-3			
	Disperse Yellow 3	2832-40-8			
4E E	Disperse Red 11	2872-48-2			
2F. Dyes-disperse	Disperse Red 1	2872-52-8	50	Liquid Extraction	
(sensitizing)	Disperse Red 17	3179-89-3		LC/MS	
	Disperse Blue 7	3179-90-6			
	Disperse Blue 26	3860-63-7			
	Disperse Yellow 49	54824-37-2			
	Disperse Blue 35	12222-75-2			
	Disperse Blue 124	61951-51-7			
	Disperse Yellow 9	6373-73-5			
	Disperse Orange 3	730-40-5			
	Disperse Blue 35	56524-77-7			
	Polybromobiphenyls (PBBs)	59536-65-1			
	Pentabromodiphenyl ether				
	(PentaBDE)	32534-81-9			
	Octabromodiphenyl ether	22724 72 0			
	(OctaBDE)	32536-52-0			
	Decabromodiphenyl ether	1162 10 5			
	(DecaBDE)	1163-19-5			
	Tris(2,3-dibromopropyl)	107.70.7			
	phosphate (TRIS/TDBPP)	126-72-7			
	Tetrabromobisphenol A	70.04.7		USEPA 8270 ISO 22032, USEPA 527 and USEPA 8321B.	
	(TBBPA)	79-94-7			
	Bis(2,3-dibromopropyl)	5412-25-9			
2G. Flame Retardants	phosphate (BIS/BDBPP)	3412-23-9	5	Dichloromethane	
	Hexabromocyclododecane	3194-55-6		extraction GC/MS or	
	(HBCDD)	3194-33-0		LC/MS(-MS)	
	2,2-Bis(bromomethyl)-1,3-	3296-90-0		EC/MS(-MS)	
	propanediol (BBMP)	3270-70-0			
	Tris(aziridinyl)-	545-55-1			
	phosphineoxide (TEPA)	343-33-1			
	Tris(2-chloroethyl) phosphate	115-96-8			
	(TCEP)	113 70 0			
	Tris(1,3-dichloro-isopropyl)	13674-87-8			
	phosphate (TDCP)	13071 07 0			
	Short chain chlorinated	85535-84-8			
	paraffins (SCCPs) (C10-C13)				
	Bis(2-methoxyethyl)-ether	111-96-6			
	2-ethoxyethanol	110-80-5			
	2-ethoxyethyl acetate	111-15-9		110 FD 1 0070	
	Ethylene glycol dimethyl	110-71-4		US EPA 8270	
2H. Glycols	ether		50	Liquid Extraction	
· - J	2-methoxyethanol	109-86-4	- *	LC/MS	
	2-methoxyethylacetate	110-49-6		GC-MS	
	2-methoxypropylacetate	70657-70-4			
	Triethylene glycol dimethyl	112-49-2			
	ether				
2I. Halogenated	1,2-Dichloroethane	107-06-2	1	USEPA 8260B	
Solvents	Methylene Chloride	75-09-2	1	Headspace GC/MS or	



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Group	Substance (analytes)	CAS No.	Detection Limit (μg/L)	Testing method		
	Trichloroethylene	79-01-6	(18)	Purge-and-Trap-GC/MS		
	Tetrachloroethylene	127-18-4				
	Monobutyltin (MBT)	Multiple				
	Dibutyltin (DBT)	Multiple				
	Dioctyltin (DOT)	Multiple				
	Tributyltin (TBT)	Multiple				
	Triphenyltin (TPhT)	Multiple				
	Tricyclohexyltin (TCyT)	Multiple				
	Trioctyltin (TOT) Tripropyltin (TPT)	Multiple				
	Monooctyltin (MOT)	Multiple Multiple		ISO 17353		
2J. Organotin	Diphenyltin (DPhT)	Multiple	0.01	Derivatisation with		
Compounds	Tetrabutyltin (TeBT)	Multiple		NaB(C2H5)		
	Mono-, di- and tri-methyltin	_		GC/MS		
	derivatives	Various				
	Mono-, di- and tri-butyltin derivatives	Various				
	Mono-, di- and tri-phenyltin derivatives	Various				
	Mono-, di- and tri-octyltin derivatives	Various				
	Perfluoro-n-octanoic acid (PFOA)	335-67-1		DIN 38407-42 (modified)		
	Perfluorobutanesulfonic acid (PFBS)	29420-49-3, 29420-43-3	0.01	Ionic PFC:		
2K. Perfluorinated and Polyfluorinated	Perfluorooctanesulfonic acid (PFOS)	355-46-4 ,432-50-7	0.01	Concentration or direct injection, LC/MS(-MS);		
Chemicals (PFCs)	Perfluoro-n-hexanoic acid (PFHxA)	307-24-4		Non-ionic PFC (FTOH):		
	8:2 FTOH	678-39-7		derivatisation with acetic anhydride, followed by GC/MS		
	6:2 FTOH	647-42-7	1			
	Butyl benzyl phthalate (BBP)	85-68-7				
	Dibutyl phthalate (DBP)	84-74-2				
	Di-2-ethylhexyl phthalate (DEHP)	117-81-7				
	Di-n-octyl phthalate (DNOP)	117-84-0				
	Di-iso-nonyl phthalate (DINP)	28553-12-0				
	Di-iso-decyl phthalate (DIDP)	26761-40-0				
	Diethyl phthalate (DEP)	84-66-2				
	Di-n-propyl phthalate (DPRP)	131-16-8				
	Di-iso-butyl phthalate (DIBP)	84-69-5		LICEDA 9270D ICO		
2L. Phthalates (including all other	Di-cyclohexyl phthalate (DCHP)	84-61-7	10	US EPA 8270D, ISO 18856		
esthers of phthalic acid)	Di-n-hexyl phthalate (DnHP)	84-75-3	7	Dichloromethane extraction GC/MS		
	Dinonyl phthalate (DNP)	84-76-4	7	extraction GC/MS		
	Di-iso-octyl phthalate (DIOP)	27554-26-3				
	Dimethoxyethyl phthalate (DMEP)	117-82-8				
	1,2-benzenedicarboxylic acid, di-C7-11-branched and	68515-42-4				
	linearalkyl esters (DHNUP) 1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6				
	Benzo[a]pyrene (BaP)	50-32-8		US EPA 8270		
2M. Poly Aromatic	Anthracene	120-12-7	1	DIN 38407-39		
Hydrocarbons (PaHs)	Pyrene	129-00-0	┤	Solvent extraction		
	1 110110	127 00 0		Sorrent Chataction		



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				Dotoct	ion Lim	it			
Group	Substance (analytes)	CAS No.		(μg/L)		11	Testing method		
	Benzo[ghi]perylene	191-24-2		(FB 2)			GC/MS		
	Benzo[e]pyrene	192-97-2							
	Indeno[1,2,3-cd]pyrene	193-39-5							
	Benzo[j]fluoranthene	205-82-3							
	Benzo[b]fluoranthene	205-99-2							
	Fluoranthene	206-44-0							
	Benzo[k]fluoranthene	207-08-9							
	Acenaphthylene	208-96-8							
	Chrysene	218-01-9							
	Dibenz[a,h]anthracene	53-70-3							
	Benzo[a]anthracene	56-55-3							
	Acenaphthene	83-32-9							
	Phenanthrene	85-01-8							
	Fluorene	86-73-7							
	Naphthalene	91-20-3							
	Benzene	71-43-2					ISO 11422 1		
201 17 1 21 0	Xylene	1330-20-7					ISO 11423-1		
2N. Volatile Organic	o-cresol	95-48-7		1			Headspace- or Purge- and-Trap-GC/MS		
Compound (VOCs)	p-cresol	106-44-5					_		
	m-cresol	108-39-4					US EPA 8260		
				Limits	(mg/L)	or			
Group	Parameter/substance	CAS No.			vise spec		Testing method		
•				A	P	F			
				▲ 5/	▲ 10/	▲ 15/			
	Temperature	-		max.	max.	max.			
				25°C	30°C	35°C			
	TSS	_		5	15	50			
	COD	_		40	80	150			
	Total-N	_		5	10	20			
	pH	_		211	6-9	7.5.2			
	Color [m-1] (436nm; 525nm;	_		2;1;1	5;3;2	7;5;3	Apply the standard		
	620nm)			-	1.5	20	methods that best apply		
14.0	BOD5	_		5	15	30	to the region (ISO, EU,		
1A. Conventional Parameters (sum	Ammonium-N Total-P	_		0.5	0.5	10	US, China), please refer		
		-					to ZDHC Wastewater		
parameters)	AoX	_		0.1	2	5	Guidelines for more		
	Oil and Grease Phenol	_		0.5		10	details on the testing		
		_		0.001 25/100	0.01	0.5	method		
	Coliform(bacteria/100ml)	_		25/100 100/100 400/100 ml ml ml					
	D 14 4E			No foam/ Dissipating/					
	Persistent Foam	_		Persiste					
	ANIONS								
	Cyanide(CN-)	Various (incl. 5'	7-12-5)	0.05	0.1	0.2			
	Sulfide	_		0.01	0.05	0.5			
	Sulfite	_		0.2	0.5	2			
			Detection						
Group	Parameter/substance	CAS No.	Limit	Limits	(mg/L)		Testing method		
Group	Tarameter/substance	CAD NO.	(mg/L)/				resting method		
			(ppm)	A	P	F			
	Cadmium(Cd)	7440-43-9	0.0001	0.01	0.05	0.1	Apply the standard		
	Lead(Pb)	7439-92-1	0.001	0.01	0.05	0.1	methods that best apply		
	Mercury (Hg)	7439-97-6	0.00005	0.001	0.005	0.01	to the region (ISO, EU,		
1B. Conventional	Silver (Ag)	7440-22-4	0.001	0.005	0.05	0.1	US, China), please refer		
Parameters - METALS	Cobalt(Co)	7440-48-4	0.001	0.01	0.02	0.05	to ZDHC Wastewater		
	Nickel (Ni)	7440-02-0	0.001	0.05	0.1	0.2	Guidelines for more		
	Antimony(Sb)	7440-36-0	0.001	0.01	0.05	0.1	details on the testing		
	Arsenic (As)	7440-38-2	0.001	0.005	0.01	0.05	method		



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Group	Substance (analytes)	CAS No		ubstance (analytes) CAS No. Detection $(\mu g/L)$		ion Lim	it	Testing method
	Copper(Cu)	7440-50-8	0.001	0.25	0.5	1		
	Zinc(Zn)	7440-66-6	0.001	0.5	1	5		
	Chromium(Cr), total	7440-47-3	0.001	0.05	0.1	0.2		
	Chromium VI(CrVI)	18540-29-9	0.001	0.001	0.005	0.05		

A: Aspirational P: Progressive F: Foundational

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

	ı	FIELD DATA F	RECORD OF					CPSD-AN-00613-DATA 0- Issue Date: Version No.: 14			
VERITAS						-17			ine: Analytica		
General Data Laboratory Sample Nu Client Name: Field Contact Person: Project (Facility Name i Sampling Location / De Sample Identification; Sample Type: Name of Sampler: Discharge mode:	EKSTIL SAN. TIC LAP DDESI NO:60 20 VTMENT with sampling pla	330 DENIZLI/HO	000				-				
a:e of collection:		Direct discharge	to environment (Sp		iver, Sea, Stream) OF Indirect disc	charge to sewage to	reatment plant			
Factory Type:	rater	Dyeing / Printing	g / Washing / Fin	shing / Others (p	lease specify):				_		
Arrival Time:				Departure Time				1			
ie d Parameters		pH:		Temp:	°C	Color:		Elemente :	Anatom state		
Control No. of field equi	ipment			Tomp.	U	COIOI .		Flow rate :	(volume/min		
actory with effluent tre	A DO CONTROL		· ·	es				-			
			Incoming water					No)			
ample matrix:		×	Wastewater bef								
		_ ^									
ampler container num	her		vvastewater atte	r treatment – war	er at discharge p	point					
ampior container rium		+									
		1	2	3	4	5	6	7	8		
ecording time	ID	00 / 0									
	Time	39145	10,45	11,45	12,45	13.45	14,45				
Н:		7,23	7,96	7,86	8,77	810	777				
emp (°C) :		249	3408	34,9	39,4	36,4	33.1				
olor (visual estimation):	prom	puple	perple	red	red	oreen				
ow rate (volume/time)				1 1	1)				
olume collected, mL											
otal volume collected			Remark: Total v	olume collected n	nust be greater ti	nan total of samp	le size required				
nalysis Required and	Preservation Method										
	MRSL Parameters)	Test required (v)	Total of sample size	T	ype of containe	ır	Pro	eservation met	hod		
	Phthalate	√						11279	18,31110		
Combined test or	Chlorobenzenes, Chlorotoluene & PAH	1	1000 mL total								
Individual test (Remark 4)	3. SCCPs	V	1000 mL each								
	4. APS	٧									
APEOs		1	100 mL								
		V	100 mL								
Chlorophenois & Cres			_								
Chlorophenois & Cres Flame retardant		√	500 mL			Amber Glass,washed with nitric acid.			Without adding acid Store sample at 2-8°C		
Flame retardant		٧.	500 mL 10 mL	Amber GI	ass,washed with n	itric acid,	, St	Vithout adding ac ore sample at 2-8	id °C		
Flame retardant Dyes				Amber Gi	ass,washed with n	itric acid,	s St	Vithout adding ac ore sample at 2-8	id °C		
Flame retardant Dyes G ycol		4	10 mL	Amber GI	ass,washed with n	itric acid,	St.	Vithout adding ac ore sample at 2-8	id *C		
Flame retardant Dyes G ycol *Pesticides		4	10 mL	Amber Gl	ass,washed with n	itric acid,	St	Without adding aci ore sample at 2-8	id °C		
Plame retardant Dyes G ycol *Pesticides *Nitrosamine		4	10 mL 50 mL 1000 mL	Amber GI	ass,washed with n	itric acid,	SI	Without adding ac ore sample at 2-8	id °C		
		1	10 mL 50 mL 1000 mL 10 mL	Amber Gl	ass,washed with n	itric acid,	, SI	Without adding ac ore sample at 2-8	id nc		
Flame retardant Dyes G ycol *Pesticides *Nitrosamine Banned Azodyes	tic amines	1	10 mL 50 mL 1000 mL 10 mL 2000 mL	Amber Gl	ass,washed with n	itric acid,	, St	Without adding ac ore sample at 2-8	id °C		
Flame retardant Dyes G ycol *Pesticides *Nitrosamine Banned Azodyes *Free primary aroma	tic amines	1	10 mL 50 mL 1000 mL 10 mL 2000 mL	Amber Gl	ass,washed with n		Fill to full containes	ore sample at 2-8	rc .		

72221080476-GAMATEKS(DENIZLI)-before

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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)		Test required (v)	Total of sample size	Type of container	Preservation method		
Combined test or	or (TSS)				2000 mL total		
Individual test (Remark 4) 18. Total dissolved solids (TDS)			2000 mL each	Amber Glass, washed with nitric acid.	Without adding acid		
19. 5-day Biochemical (Oxygen Demand (BOD5)		1000 mL		Store sample at 2-8°C		
20. Colour			100 mL				
21. Heavy Metals excep	ot Cr(VI) & Total-P (Remark 6)	٧	9 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 12 with 50% NaOH, add 0.05 ml of 10% Na ₂ S ₂ O ₃ , and store sample at 2-8°C		
23. Cr(VI)		1	95 mL	, <u>5</u> 27.6	Filter by 0.45µm filter in field, fill to full container without air gap; adjust pH to 9.0-9.5 by adding ammonium buffer. Store sample at 2-8°C		
24. Chemical oxygen de	emand (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 & To	otal Hydrocarbon		1000 mL				
27. *Formaldehyde			25 mL		Fill to full container without air gap; acidify to pH 2 wit 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 2h zinc acetate, adjust pH to 9 with 6M NaOH Store sample at 2-8°C		
29. Total Coliform (Rem	ark 6)		125 mL	PE, clean, sterile,	Add 0.05 ml of 10% Na2 _s 2O ₃		
30. Faecal Coliform (Re	mark 6)		125 mL	non-reactive	Store sample at 2-8°C		
31. Persistent foam			N.A.	Foam higher than 45 cm (visi	ual estimation): Yes / No		
32. Sulfite			100 mL	Amber Glass, washed with pesticide grade acetone	Add 1mL of 2.5% EDTA, 0.5g zinc acetate Store sample at 2-8°C		
33. Total-N			100 mL				
34. Ammonium-N		10 Te	500 mL		Acidify to pH 2 with H ₂ SO ₄ Store sample at 2-8°C		
35. Adsorbable organic	ally bound halogens (AOX)		100 mL				
36. Acute aquatic toxicity: Luminus Bacteria; Fish Egg; Daphne; Alage; 37. Sulphate		Tay ha	1000 mL	Amber Glass,washed with nitric acid;	F 2		
			100 mL		Without adding acid Store sample at 2-8°C		
38. Chloride			100 mL				
39. Others:							

*Remarks:

- 1.Individual sampling can be performed upon request
- 2. 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.
- 3. Scope of ZDHC guideline: Parameter 1-9, 12, 14-17, 19-26, 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, 33-36

- Free primary aromatic amine, pesticides, nitrosamine and formaldehyde are not in the scope of ZDHC Guidline, they are tested upon request.

 4. Refer to CPSD-AN-G00019-STIP01, loactions with those CPSD test capability inside TCD matrix can perform the combined test.
- Refer to CPSD-AN-G00019-STIP01, loacitions with those CPSD test capability inside TCD matrix can perform the combine
 Refer to CPSD-AN-000570-MTHD for additional pretreatment of sulfide if only dissolved sulfide is required to be tested.
- 6. Refer to CPSD-AN-00613-MTHD for preparation of field blank for specific parameters.

Recorded by:

Ahmet Hilm! 1

Date: 28,04,2022

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) is/are collected in desinated 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 1-6°C

Signatory of Factory Representative:

Full Navie: GAMATEKS

GAMATEKS

TEKSTİL SAN. VE TİC. A.S.

Ticaret Sicil No: 10141 DENİZLİ

Saraylar V.D. 388 008 4184

Tel: 269 16 01 - 211 56 50

Mersis No: 0388 0084 1840 0015

Date: 28.04.2022

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APPENDIX D - Limitation Value of Legal Requirements



DENİZLİ ORGANİZE SANAYİ BÖLGESİ MÜDÜRLÜĞÜ



DOSB MERKEZİ ATIKSU ARITMA TESİSİ GİRİŞ PARAMETRE DEĞERLERİ

SIRA NO	PARAMETRE	BİRİM	MİKTAR ^(*)
1	Kimyasal Oksijen İhtiyacı (KOI)	mg/L	1.500
2	Biyokimyasal Oksijen İhtiyacı (BOI ₅) ^(**)	mg/L	350
3	Askıda Katı Madde (AKM)	mg/L	320
4	Yağ ve Gres	mg/L	60
5	Toplam Fosfor	mg/L	7
6	Toplam Krom	mg/L	1
7	Krom (Cr ⁺⁶)	mg/L	0,5
8	Kurşun (Pb)	mg/L	1
9	Toplam Siyanür (CN ⁻)	mg/L	0,5
10	Kadmiyum (Cd)	mg/L	0,1
11	Demir (Fe)	mg/L	5
12	Florür (F ⁻)	mg/L	5
13	Bakır (Cu)	mg/L	15
14	Çinko (Zn)	mg/L	3
15	Civa (Hg)	mg/L	0,10
16	Sülfat (SO ₄)	mg/L	2.000
17	Toplam Kjeldahl Azotu	mg/L	40
18	Balık Biyodeneyi (ZSF)		
19	Sıcaklık	°C	40
20	PH		8,5-10,5

(*): ± %10 (*): 21.12.2004 Tarih ve 25687 sayılı Resmi Gazete'de yayımlanan Su Kirliliği Kontrolü

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