

TEST REPORT

Technical Report:	(6821)070-0193	March 23, 2021
Date Received:	March 10, 2021	Page 1 of 21
Factory Company Name : Factory Address: Client Reference No.: Sample Method:	S.F. Washing Ltd. Nayabari, Kanchpur, Sonargaon, Narayangonj, 1430, Bangladesh. Self I001) Raw Wastewater – 6 hours Time – weighted Composite I002) Treated Wastewater – 6 hours Time – weighted Composite	
Sample Pick Up Date: Discharge Type: On-Site Effluent Treatment Plant (ETP):	March 10, 2021 Direct Discharge Yes	
Wastewater Discharge to: Off-site ETP name (if applicable): Off-site ETP address (if applicable):	Government Canal Not Applicable Not Applicable	
Test Period:	March 10, 2021 To March 23, 2021	
Sample Description:	1001) Colorless / blue color liquid - Raw Wastewater 1002) Colorless / brownish color liquid - Treated Wastewater	
<u>REMARK</u> If there are questions or concerns of	on this report, please contact the following persons:	

General enquiry	Mr. Sharan Roy, Mail: sharan.roy@bureauveritas.com
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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.

BUREAU VERITAS CONSUMER PRODUCTS SERVICES (BANGLADESH) LTD.

M. NUR ALAM DEPUTY GENERAL MANAGER ANALYTICAL LABORATORY

Bureau Veritas

Consumer Products Services (BD) Ltd. Plot # 130, DEPZ Extension Area Ganakbari, Savar, Dhaka, Bangladesh Tel: 88-02-7701464-6, Fax: 88-02-7701463 E-mail: bvcps.bd@bd.bureauveritas.com website: cps.bureauveritas.com This report is governed by, and incorporates by reference, CPS conditions of service as posted at the date or issuance of this report at http://www.bureauveritas.com/home/about-us/our-builtonss/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 report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or ornission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address of this report, the tests conducted and the correctness of this report, the report, the tests conducted and the correctness of the report, contents.

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Executive Summary

1A) Conventional Parameters	I001	1002
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		
Persistent Foam		
ANIONS – Cyanide		
ANIONS - Sulfide		
ANIONS - Sulfite		
1B) Conventional Parameters -METALS		

Note / Key:

- D Meet Foundational Limit / Meet discharge License Criteria
- ■ Exceeding Foundational Limit / Exceeding discharge License Criteria
- NR Not Requested / Not required

ZDHC MRSL Substances	I001	1002
2A) APs and APEOs	0	0
2B) Chlorobenzenes and Chlorotoluenes	0	0
2C) Chlorophenols	0	0
2D) Azo Dyes	0	0
2E) Carcinogenic Dyes	0	0
2F) Disperse Dyes	0	0
2G) Flame Retardants	0	0
2H) Glycols	0	0
2I) Halogenated Solvents	0	0
2J) Organotin Compounds	0	0
2K) Perfluorinated and Polyfluorinated Chemicals	0	0
2L) Phthalates	0	0
2M) Poly Aromatic Hydrocarbons	0	0
2N) Volatile Organic Compounds	0	0

Note / Key :

- • Detected
- o Not Detected
- NR Not Requested / Not required



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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 Procedure

Total number of sample collected is based on the actual factory facilities and manufacturing processes. Two environment samples were sampled per factory, 1) Raw Wastewater and 2) Treated 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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Test Result

1A) Conventional Parameters

Temperature

Test Method : Measurement by thermometer

Tested Item(s)	Result	Unit	Conclusion
1002	31.2 (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 ALPA 2540D, GB 11901, ISO 11923

Tested Item(s)	Result	Unit	Conclusion
1002	5 (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 ALPA 5220B & EPA 410.3, HJ 828

Tested Item(s)	Result	Unit	Conclusion
I002	21 (Aspirational)	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- N-C

Tested Item(s)	Result	Unit	Conclusion
1002	7.90 (Progressive)	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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<u>pH Value</u>

Test Method : Reference to ISO 10523, EPA 150.2 and APHA 4500-H⁺

-	Unit	Result	
Test Item(s)	-	I002	
Parameter	-	-	
Temp. of sample	deg. C	24.3	
pH value of sample	-	7.6 (Comply with ZDHC WWG requirements)	
Conclusion	-	DATA	

Note:

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

Color [m⁻¹] (436nm; 525nm; 620nm)

Test Method : ISO 7887: 2011(E), B

Tested Item(s)	Result	Unit	Conclusion
1002	2.3; 1.1; 0.8 (Progressive)	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	7 (Progressive)	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 22^{nd} Edition 2012

Tested Item(s)	Result	Unit	Conclusion
1002	0.16 (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 22nd Edition -4500-P.E (2012)

Tested Item(s)	Result	Unit	Conclusion
I002	0.18 (Progressive)	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 Halogen (AOX)

Test Method : Reference to EN ISO 9562 (Modified)

Tested Item(s)	Result	Unit	Conclusion
1002	0.62 (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 APHA 22nd Edition -5520 B (2012)

ſ	Tested Item(s)	Result	Unit	Conclusion
	I002	1.0 (Progressive)	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 : APHA 5530 C

Tested Item(s)	Result	Unit	Conclusion
1002	ND (Aspirational)	mg/L	DATA

Note:

mg/L = milligram per liter ND = Not Detected

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

Coliform

Test Method : Reference to ISO 9308-1: 2014

Tested Item(s)	Result	Unit	Conclusion
1002	292 (Foundational)	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;



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Persistent Foam

Test Method : Visual

Tested Item(s)	Result	Unit	Conclusion
1002	No Foam (Comply with ZDHC WWG requirements)	-	DATA

ANIONS - Cyanide

Test Method	: Reference to APHA 22 nd Edition-4500-CN. C&E (2012), EPA 9010C, 9013 & 9014
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Tested Item(s)	Result	Unit	Conclusion
1002	ND (Aspirational)	mg/L	DATA

Note:

mg/L = milligram per liter ND = Not Detected 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	0.11 (Foundational)	mg/L	DATA

Note:

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

ANIONS - Sulfite

Test Method : Reference to EPA 377.1, APHA $4500-SO_3^{2-}(2012)$

Tested Item(s)	Result	Unit	Conclusion
1002	0.5 (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

mg/L = milligram per liter



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1B) Conventional Parameters - METALS

Heavy Metals	I001 (mg/L)	I002 (<i>mg/L</i>)
Antimony(Sb)	× ·	× ·
Foundational Limit: 0.1 mg/L;	ND	0.003
Progressive Limit: 0.05 mg/L;	(Aspirational)	(Aspirational)
Aspirational Limit: 0.01 mg/L	· • ·	
Chromium(Cr), total		
Foundational Limit: 0.2 mg/L;	0.006	0.002
Progressive Limit: 0.1 mg/L;	(Aspirational)	(Aspirational)
Aspirational Limit: 0.05 mg/L		
Cobalt(Co)		
Foundational Limit:0.05 mg/L;	ND	ND
Progressive Limit: 0.02 mg/L;	(Aspirational)	(Aspirational)
Aspirational Limit: 0.01 mg/L	· • ·	
Copper(Cu)		
Foundational Limit: 1 mg/L;	ND	ND
Progressive Limit: 0.5 mg/L;	(Aspirational)	(Aspirational)
Aspirational Limit: 0.25 mg/L	· • ·	
Nickel (Ni)		
Foundational Limit:.0.2 mg/L;	ND	ND
Progressive Limit: 0.1 mg/L;	(Aspirational)	(Aspirational)
Aspirational Limit: 0.05 mg/L		
Silver (Ag)		
Foundational Limit: 0.1 mg/L;	ND	ND
Progressive Limit: 0.05 mg/L;	(Aspirational)	(Aspirational)
Aspirational Limit: 0.005 mg/L		
Zinc(Zn)		
Foundational Limit: 5 mg/L;	ND	ND
Progressive Limit: 1 mg/L;	(Aspirational)	(Aspirational)
Aspirational Limit: 0.5 mg/L		
Arsenic (As)		
Foundational Limit: 0.05 mg/L;	0.002	ND
Progressive Limit: 0.01 mg/L;	(Aspirational)	(Aspirational)
Aspirational Limit: 0.005 mg/L		
Cadmium(Cd)		
Foundational Limit: 0.1 mg/L;	ND	ND
Progressive Limit: 0.05 mg/L;	(Aspirational)	(Aspirational)
Aspirational Limit: 0.01 mg/L		
Lead(Pb)		
Foundational Limit:0.1 mg/L;	0.002	ND
Progressive Limit: 0.05 mg/L;	(Aspirational)	(Aspirational)
Aspirational Limit: 0.01 mg/L	· • · ·	
Mercury (Hg)		
Foundational Limit: 0.01 mg/L;	ND	ND
Progressive Limit: 0.005 mg/L;	(Aspirational)	(Aspirational)
Aspirational Limit :0.001 mg/L		
Chromium VI(CrVI)		
Foundational Limit: 0.05 mg/L;	ND	ND
Progressive Limit: 0.005 mg/L;	(Aspirational)	(Aspirational)
Aspirational Limit: 0.001 mg/L		× • F



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Others Priority Chemical Groups

	I001 (µg/L)	I002 (µg/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 B.
- ND = Not detected (Please refer to reporting limit shown in Appendix B.).
- All results are in ppb as unit.
- ppm = part(s) per million; ppb = part(s) per billion.
- NR Not Requested / Not required
- N/A Not Applicable



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APPENDIX A - Photo of the Sample/ Sampling Location





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APPENDIX A - Photo of the Sample/ Sampling Location

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APPENDIX B

			Pepor	t Limit	
			Керог		
Group	Substance (Testing parameter)	CAS No.	Wastew ater (ug/L)/(ppb)	Sludge (mg/kg) /(ppm)	Name of the testing method
	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
2A. Alkylphenol (AP) and	Octylphenol OP, mixed isomers	Various (incl. 140-66-9, 1806-26-4, 27193-28-8)	5	0.4	extraction) or ASTM D7065 (GC/MS or LC/MS(-MS)
Alkylphenol Ethoxylates (APEOs): including all isomers	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
	Nonylphenol ethoxylates (NPEO)	Various (inc. 9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0)	5	0.4	or LC/MSMS for n=1,2) APEO 1-18
	Monochlorobenzene	108-90-7	0.2	0.2	
	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-Tetraclorobenzene	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	USEPA 8260B,8270D.
2B. Chlorobenzenes	4-Chlorotoluene	106-43-4	0.2	0.2	Dichloromethane
and Chlorotoluenes	2,3-Dichlorotoluene	32768-54-0	0.2	0.2	extraction followed by
	2,4-Dichlorotoluene	95-73-8	0.2	0.2	GC/MS
	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
2C. Chiorophenois	3-Chlorophenol	108-43-0	0.5	0.05	Solvent extraction,

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			Repor	t Limit	
Group	Substance (Testing parameter)	CAS No.	Wastew ater (ug/L)/(ppb)	Sludge (mg/kg) /(ppm)	Name of the testing method
	4-Chlorophenol	106-48-9	0.5	0.05	derivatisation with
	2,3-Dichlorophenol	576-24-9	0.5	0.05	KOH, acetic anhydride
	2,4-Dichlorophenol	120-83-2	0.5	0.05	followed by GC/MS
	2,5-Dichlorophenol	583-78-8	0.5	0.05	
	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	
	4,4 ⁻ -Methylene-bis-(2- chloro-aniline)	101-14-4	0.1	0.2	
	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	
2D. Dyes - Azo	4-Methoxy-m- phenylenediamine	615-05-4	0.1	0.2	EN 14362. Reduction step with
(Forming Restricted Amines)	4,4`-Methylene-di-o- toluidine	838-88-0	0.1	0.2	Sodiumdithionite, solvent extraction,
*	2,6-Xylidine	87-62-7	0.1	0.2	GC/MS or LC/MS
	o-Anisidine	90-04-0	0.1	0.2]
	2-Naphthylamine	91-59-8	0.1	0.2	1
	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-	95-80-7	0.1	0.2	
	phenylenediamine	95-80-7	0.1		
	o-Aminoazotoluene	97-56-3	0.1	0.2	
	5-nitro-o-toluidine	99-55-8	0.1	0.2	
	C.I. Direct Black 38	1937-37-7	500	10	
	C.I. Direct Blue 6	2602-46-2	500	10	
2E. Dyes-	C.I. Acid Red 26	3761-53-3	500	10	Liquid Extraction
Carcionogenic or	C.I. Basic Red 9	569-61-9	500	10	Liquid Extraction LC/MS
Equivalent Concern	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	

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			Repor	rt Limit	
Group	Substance (Testing parameter)	CAS No.	Wastew ater (ug/L)/(ppb)	Sludge (mg/kg) /(ppm)	Name of the testing method
	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	
	(malachite green chloride) C.I. Basic Green 4	2437-29-8	500	10	-
	(malachite green oxalate) C.I. Basic Green	10309-95-2	500	10	
	4(malachite green)			10	
	Disperse Orange 11	82-28-0	500	10	
	Disperse Yellow 1	119-15-3	50	2	
	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	
2F. Dyes-disperse	Disperse Red 1	2872-52-8	50	2	Liquid Extraction
(sensitizing)	Disperse Red 17	3179-89-3	50	2	LC/MS
	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	
			50		
	Disperse Blue 124	61951-51-7		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	
	Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	5	1	
	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	ISO 22032, USEPA527 and USEPA8321B.
2G. Flame Retardants	Tris(aziridinyl)- phosphineoxide (TEPA)	545-55-1	5	1	Dichloromethane extraction GC/MS or
	Polybromobiphenyls (PBBs)	59536-65-1	5	1	LC/MS(-MS)
	(TBBS) Tetrabromobisphenol A (TBBPA)	79-94-7	5	1	
	(IBBFA) Hexabromocyclododecane (HBCDD)	3194-55-6	5	1	
	2,2-Bis(bromomethyl)-1,3-	3296-90-0	5	1	
	propanediol (BBMP) Tris(1,3-dichloro- isopropyl) phosphate	13674-87-8	5	1	
	(TDCP)				

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			Repor	t Limit	
Group	Substance (Testing parameter)	CAS No.	Wastew ater (ug/L)/(ppb)	Sludge (mg/kg) /(ppm)	Name of the testing method
	Short chain chlorinated paraffins (SCCPs) (C10- C13)	85535-84-8	5	1	
	Bis(2-methoxyethyl)-ether 2-ethoxyethanol 2-ethoxyethyl acetate	111-96-6 110-80-5 111-15-9	50 50 50	10 10 10	
2H. Glycols	Ethylene glycol dimethyl ether 2-methoxyethanol	110-71-4 109-86-4	50 50	10 10	US EPA 8270 Liquid Extraction
	2-methoxyethylacetate 2-methoxypropylacetate	109-86-4 110-49-6 70657-70-4	50 50 50	10 10 10	LC/MS
	Triethylene glycol dimethyl ether 1,2-Dichloroethane	112-49-2 107-06-2	50 1	10 2	LICEDA 22COD
2I. Halogenated Solvents	Methylene Chloride Trichloroethylene Tetrachloroethylene	75-09-2 79-01-6 127-18-4	1 1 1	2 2 2	USEPA 8260B Headspace GC/MS or Purgeand-Trap-GC/MS
	Mono-, di- and tri- methyltin derivatives	Multiple	0.01	0.2	
2J. Organotin Compounds	Mono-, di- and tri-butyltin derivatives Mono-, di- and tri-phenyltin	no-, di- and tri-phenyltin ivatives Multiple 0.01 0.2 no-, di- and tri-octyltin Multiple 0.01 0.2			Derivatisation with
	derivatives Mono-, di- and tri-octyltin derivatives		Nab(C2113) OC/M3		
	Perfluorooctanesulfonic acid (PFOS) Perfluoro-n-octanoic acid	1763-23-1	0.01	0.10	DIN 38407-42 (modified)
2K. Perfluorinated and Polyfluorinated	(PFOA) Perfluorobutanesulfonic	335-67-1 29420-49-3, 29420-43-3	0.01	0.10	Ionic PFC: Concentration or direct injection, LC/MS(-MS);
Chemicals (PFCs)	acid (PFBS) Perfluoro-n-hexanoic acid (PFHxA)	307-24-4	0.01	0.10	Non-ionic PFC (FTOH): derivatisation
	8:2 FTOH 6:2 FTOH	678-39-7 647-42-7	1 1	1 1	with acetic anhydride, followed by GC/MS
	Di-2-ethylhexyl phthalate (DEHP) Dimethoxyethyl phthalate	117-81-7	10	2	-
	(DMEP) Di-n-octyl phthalate	117-82-8	10	2	-
	(DNOP) Di-iso-decyl phthalate (DIDP)	26761-40-0	10	2	
2L. Phthalates (including all other esthers of phthalic	Di-iso-nonyl phthalate (DINP) Di-n-hexyl phthalate	28553-12-0	10	2	US EPA 8270D, ISO 18856 Dichloromethane
acid)	(DnHP) Dibutyl phthalate (DBP)	84-75-3 84-74-2	10 10	2 2	extraction GC/MS
	Butyl benzyl phthalate (BBP)	85-68-7	10	2	
	Dinonyl phthalate (DNP) Diethyl phthalate (DEP) Di-n-propyl phthalate	84-76-4 84-66-2	10 10 10	2 2 2	
	(DPRP)	131-16-8	10	2	

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Report Limit Wastew Name of the testing Substance (Testing Sludge (mg/kg) (ug/L)/(Di-iso-butyl phthalate 84-69-5 10 2 (DIBP) Di-cyclohexyl phthalate 10 2 84-61-7 (DCHP) Di-iso-octyl phthalate 27554-26-3 10 2 (DIOP) 1.2-benzenedicarboxylic acid, di-C7-11-branched 68515-42-4 10 2 and linearalkyl esters (DHNUP) 1,2-benzenedicarboxylic acid, di-C6-8-branched 71888-89-6 10 2 alkyl esters, C7-rich (DIHP) Benzo[a]pyrene (BaP) 50-32-8 0.2 1 Anthracene 120-12-7 1 0.2 129-00-0 Pyrene 1 0.2 191-24-2 Benzo[ghi]perylene 0.2 1 192-97-2 0.2 Benzo[e]pyrene 1 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 0.2 1 2M. Poly Aromatic DIN 38407-39 Fluoranthene 206-44-0 1 0.2 Hydrocarbons Solvent extraction Benzo[k]fluoranthene 207-08-9 1 0.2 (PaHs) GC/MS 0.2 Acenaphthylene 208-96-8 1 0.2 218-01-9 Chrysene 1 0.2 Dibenz[a,h]anthracene 53-70-3 1 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 91-20-3 Naphthalene 1 0.2 71-43-2 Benzene 1 2 1330-20-7 2 2N. Volatile Xylene ISO 11423-1 1 95-48-7 2 Headspace- or Purge-Organic Compound o-cresol 1 (VOCs) 106-44-5 2 and-Trap-GC/MS p-cresol 1 108-39-4 2 m-cresol 1 Temperature N/A N/A Apply the standard TSS _ N/A N/A methods that best apply COD N/A N/A _ to the region (ISO, EU, _ Total-N N/A N/A US, China), please refer _ N/A N/A pН to ZDHC Wastewater Color [m⁻¹] (436nm; Guidelines for more _ N/A N/A 525nm; 620nm) details on the testing 1A. Conventional N/A N/A BOD5 method and the levels Parameters N/A Ammonium-N N/A (Foundational, _ Progressive, and Total-P N/A N/A AoX N/A N/A Aspirational). Oil and Grease _ N/A N/A Cyanide: With Phenol ____ N/A N/A reference to APHA Coliform(bacteria/100ml) _ N/A N/A 4500 CN-B,C&E and Persistent Foam Not Not

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			Repor	t Limit	
Group	Substance (Testing parameter)	CAS No.	Wastew ater (ug/L)/(ppb)	Sludge (mg/kg) /(ppm)	Name of the testing method
			visible	visible	followed by UV
	ANIONS				analysis
	Cyanide(CN-)	Various (incl. 57-12-5)	0.02	1	
	Sulfide	_	N/A	N/A	
	Sulfite	_	N/A	N/A	
				t Limit	
Group	Substance (Testing parameter)	CAS No.	Wastew ater (mg/L) / (ppm)	Sludge (mg/kg) / (ppm)	Name of the testing method
	Antimony(Sb)	7440-36-0	0.001	N/A	Various
	Chromium(Cr), total	7440-47-3	0.001	N/A	Acid Digestion with
	Cobalt(Co)	7440-48-4	0.001	N/A	ICP analysis
	Copper(Cu)	7440-50-8	0.001	N/A	
	Nickel (Ni)	7440-02-0	0.001	N/A	please refer to ZDHC
	Silver (Ag)	7440-22-4	0.001	N/A	Wastewater Guidelines
1B. Conventional	Zinc(Zn)	7440-66-6	0.001	N/A	for more details on the
Parameters -	Arsenic (As)	7440-38-2	0.001	2	testing method and the
METALS	Cadmium(Cd)	7440-43-9	0.0001	2	levels (Foundational, Progressive, and
	Chromium VI(CrVI)	18540-29-9	0.001	2	Aspirational).
	Lead(Pb)	7439-92-1	0.001	2	Aspirational).
	Mercury (Hg)	7439-97-6	0.00005	0.2	Cr(VI): Various Solvent extraction and derivatisation followed by UV analysis
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

Remark: The report [(6821)070-0193] was sub-contracted to India (Testtex India Laboratories Pvt. Ltd) for Coliform & Total-N Tests.



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APPENDIX C – Onsite Field Data Record Sheet

(B)				N ZERO DISCHARGE SAMPLE				CPSD-AN-00613-DATA 04 Issue Date:	
NUCLEUR CONTRACTOR		(COM	POSITE / IN		Version No.:				
			(m		Colorest Color			Business Lin	ie. Analytical
General Data Laboratory Sample Nu									
Laboratory Sample NL Client Name:	imber;	·							
Field Contact Person:		MAN	asiz ude	1.00	Phone No:	01920	- 133	1 91	
Project (Facility Name	and Address)		Jashing		Phone No.	01/55	-105	6 71	
Sampling Location / D		JiFill	(USIO 6 G	ET.	PETI	~ L			
Sample Identification:		Zero discharge	with sampling pli		1 deri				
Sample Type:			ple / Grab sampl	1017	as appropriate)		2011/10/10/10		
ame of Sampler			Asad	71 .					
Discharge mode.					River, Sea, Stream) OR Indirect dis	charge to sewage	treatment plant	
Date of collection:		10.0	3.20						
actory Type:			g / Washing / Fin		please specify):				
		"Note: If would be	selected more that	an one					
Field Data for Waster	water								
vrival Time:		1:401		Departure Time	25		20 Pm		
field Parameters		PH: 7. 5	>	Temp: 32	9 ℃	Color: B1	ue	Flow rate :	(volume/min)
Control No. of field eq									
actory with effluent tr	ealment plant:	12		'es				10	
			Incoming water						
Sample matrix:		1r	Wastewaler before treatment						
ampler container nun		10	Wastewater after treatment - water at discharge point			10	10		
sampier container nun	nder	12	12	12	12	12	12	7	8
	ID		2	3		5	8	· · ·	•
lecording time	Time	-							
н:	Tine	7.5	8.0	7.0	8:0	7.4	7.8		
'emp (°C) :		32.90	33.0	33.1	33.4	35.0	34.9		
color (visual estimatio	n):	Blue.	Blue	Courters	Blive	Blue	Brue		
low rate (volume/time	A STORES STORES	00.0	59.4	68.4	69.9	74.8	78.9		
olume collected, mL		12×167	12×167	12×167	12×167	122167	12×167		
otal volume collected		12024			must be greater	than total of same			
	d Preservation Method	Test required	Total of	1					
Tests (ZDHC	MRSL Parameters)	(V)	sample size		Type of contain	er	Pr	eservation meth	od
	1. Phthalate	12							
Combined test	2. Chlorobenzenes, Chlorotoluene & PAH	r	1000 mL total						
Individual test	3. SCCPs	1-	or 1000 mL each						
(Remark 4)	Contraction of the second s	1.0				*			
	4. APS	L L							
APEOs		1	100 mL						
. Chlorophenols & Cr	esols	V	100 mL	Amber 0	Glass,washed with	nitric acid,		3	
. Flame retardant		V	500 mL	· ·	insed thoroughly w distillated water an	ith id		Without adding acid Store sample at 6°C	
. Dyes	2010 A. 1010 A.	2	10 mL		dried before use	3			
. Glycol	and the second s	11-	50 mL		٠.				
		1							
0. *Pesticides	ware was and	X	1000 mL						_
1. *Nitrosamine		X	10 mL					1	
2. Banned Azodyes		5	2000 mL -						
3. *Free primary aron	atic amines .	X	500 mL	1					
4. Organotin Compou		10	500 mL		1.1		Acidity to nH 2	with HCI and store	sample at 6°C
		10		Amber G	lass, washed with	nitric acid	and the second		and the second second
-	15. VOC & Halogenated Solvents (Remark 6)		10 mL				Fill to full container without air gap; acidity to pH 2 w HCl and store sample at 6°C		
5. VOC & Halogenate	o Solvents (Remark o)	5 A 5	18,114		, washed with pest			Without adding acid	



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	FIE			ZERO DISCHARGE SAMPLE DIVIDUAL SAMPLING)	Issue Date: Version No.: 13 Business Line: Analytical
Tests (Conve	ntional Parameters)	Test required	Total of sample	Type of container	Preservation method
Combined test or Individual test	17. Total suspened solids (TSS) 18. *Total dissolved solids	1	2000 mL total or 2000 mL each	Amber Glass, washed with nitric acid, ninsed thoroughly with dissiblated water and	Without adding acid Store sample at 6°C
(Remark 4) 9. 5-day Biochemical	(TDS) Oxygen Demand (BOD5)		1000 mL	dried before use	
0. Heavy Metals exce	pt Cr(VI) & Total-P (Remark	10	9 mL	PE, washed with nitric acid	Acidify to pH 2 with HND, and store at 6°C
) 1. Cr(VI) ,		5	95 mL	Amber Glass, washed with pesticide grade acetone	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 6°C
2. Cyanide		5	500 mL		Adjust pH 12 with 50% NaOH, add 0.05 ml of 10% Na ₂ S ₂ O ₃ , and store sample at 6°C
3. Chemical oxygen d	emand (COD)	1	150 mL		Acidify to pH 2 with H ₂ SO ₄
24. Phenois			500 mL	Amber Glass, washed with nitric acid	Store sample at 6°C
25. *Formaldehyde			25 mL		Fill to full container without air gap; acidify to pH 2 with H2SO4 and store sample at 6*C
26. Sullide (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 6*C
27. Adsorbable organi	cally bound halogens (AOX)		100 mL	Amber Glass, washed with nitric acid	Add 0.05 mt of 10% Na ₂ S ₂ O ₃ , acidify to pH 2 with H ₂ SO ₄ , Store sample at 6°C
28. Total Coliform (Rei			125 mL	PE, clean, sterile, non-reactive	Add 0.05 ml of 10% Na2S2O3, Store sample at 6°C
29. Persistent foam			N.A.	Foam higher than 45 cm (visu	usi estimation): Yes / No
30, Sulfite			100 mL	Amber Glass, washed with pesticide grade acetone	Add 1mL of 2.5% EDTA, 0.5g zinc acetate Store sample at 6°C
31. Total-N			100 mL	Amber Glass with wide-mouth PTFE lid.washed with	Acidity to pH 2 with H2SO4
32. Ammonium-N	1		500 mL	nitric acid;	Store sample at 6°C
33. Oil and Grease &	Total Hydrocarbon		1000 mL	Amber Glass; washed with nitric acid;	Acidity to pH 2 with HCI Store sample at 6°C
34. Luminus Bacteria '	Toxicity		1000 mL		
35. Sulphate			100 mL	Amber Glass, washed with nitric acid, nased thoroughly with distillated water and	Without adding acid Store sample at 6°C
36. Chloride			100 mL	dried before use	Store sample at e.c.
37. Color	Malaki		100 mL		
38. Others:					

*Remarks:

1. Individual sampling can be performed upon request

2. The minimum sampling time for 2016 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, 2, 4-9, 12, 14-17, 19-24, 28-33

Scope of synthetic leather industry: Parameter 1, 2, 4-9, 12, 14-17, 19-33

Scope of MMCF: Parameter 4, 5, 15, 17, 19-21, 23, 24, 26, 27, 31-34, 37

Free primary aromatic amine, pesticides, nitrosamine and TDS 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 parlorm the combined test.

5. Refer to CPSD-AN-000570-MTHD for additional pretreatment of sulfide if only dissolved sulfide is required to be tested.

Full Name

6. Refer to CPSD-AN-00613-MTHD for preparation of field blank for specific parameters. Fullname: MD Asarchosain.

CPSD-AN-00613-DATA 04-FIELD DATA RECORD ZDHC SAMPLING

10.03.2021 Date:

Comment from factory

Recorded by:

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 lafare stored in portable freezer / fridge that is maintained in 1-5°C

Signatory of Factory Representative

Md. Masin uddin Date: (0.03.2021

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(And A							CPSD-AN-00613-DATA					
(100)	FIE	LD DATA R				AMPLE		Issue Date:	1			
CATE CALL		(COMF	OSITE / INI	DIVIDUALS	AMPLING)			Version No.: 13				
CALABOAT						4.		Business L	ine: Analytical			
eneral Data												
aboratory Sample Num	ber:							- and a second	-			
lient Name:									-			
eld Contact Person:		MD. N	lasinc)ddin	Phone No.	01930	3-13	369	1			
roject (Facility Name a	nd Address):	3.F. Washingled (Nayabaju, Kanchpuz, Sonary										
ampling Location / Des	cription:	E.T.P=Outlot Narous										
ample Identification:		Zero discharge with sampling plan										
ample Type:		Composite Sample / Grab sample (Please delete as appropriate)										
ame of Sampler.		MD Asad Hosain.										
scharge mode					liver, Sea, Stream.				-8			
ate of collection.			03.20		_		fort ca	mail	-			
actory Type:			1	ishing / Others (please specify):							
		*Note: It would be	selected more that	in one				-				
eld Data for Wastewa rival Time:	ter	1:45Pm		Departure Time		7:20	Pm	IN	o Foom			
eld Parameters	11-10-11-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1	DH: 7.0	- 7.1	Temp: 30				Flow rate	(volume/min)			
ontrol No. of field equi	oment	10	1.6	0			- 11					
actory with effluent trea		~	- Y	es			N	0				
			Incoming water									
ample matrix:		~	Wastewater bef	18.0000.0000.0000		-						
		Wastewater after treatment – water at discharge point										
ampler container numb	er	24	24	24	24	24	24					
		1	2	3	4	5	6	7	8			
	ID											
ecording time	Time	1:50 pm	2:50 Pm	03:50Pm	54:55Pm	5:5032	6: Sopm					
H:		7.6	7.5	\$ 7.8	7.9	8.0	2.5					
emp (°C):		30.6	30.4	31.0	31.4	32.0	32.0					
olor (visual estimation)		colorless	counters	Brownsh	Brownich	Brownsh	Brownsh.					
low rate (volume/time)		63.9	70.6	67.8	70.4	68.9	31.0					
olume collected, mL		24×167	24×167	24×167	24×167	24×167	24×167					
otal volume collected		24048	Remark: Total v	volume collected	must be greater	than lotal of sam	ple size required					
nalysis Required and	Preservation Method											
and the second second second	MRSL Parameters)	Test required (V)	Total of sample size		Type of container		Preservation method					
	1. Phthelate	5										
Combined test	2. Chlorobenzenes,	N	1000 mL total									
or Individual test	Chlorotoluene & PAH 3. SCCPs	1 m	or 1000 mL each		•							
(Remark 4)												
n Allabert	4. APS			-		•	-					
APEOs		1	100 mL									
Chlorophenols & Cre	sols	15	100 mL	Amber	Glass,washed with	nitric acid.						
. Flame retardant		~	500 mL		rinsed thoroughly w distillated water as	vith . nd		Without adding a Store sample at	icid 5°C			
. Dyes		V	10 mL	1	dried before use							
Glycol			50 mL									
		~	-	-								
0. *Pesticides		X	1000 mL									
1. Nitrosamine		x	10 mL									
2. Banned Azodyes		~	2000 mL									
3. *Free primary arom	atic amines	X	500 mL' '	-	*							
4. Organotin Compou		1 m	500 mL	1.000			Acidify to pH	with HCI and st	ore sample at 6°C			
			10 mL	Amber	Glass, washed with	nitric acid	Fill to full contain	er without air ga	p; acidify to pH 2 wit			
15. VOC & Halogenated Solvents (Remark 6)		14		P	E, washed with pes	ticide		and store sampl Without adding	acid			
16. PFCs			2 mL	PE, washed with pesticide grade Acetone				Without adding acid Store sample at 6*C				

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NGOVIEWSKI NGOVIEWSKI NGOVIEWSKI	FIE		ECORDO	N ZERO DISCHARGE SAMPLE	CPSD-AN-00613-DATA 04
WINDOW P		(COM	OSITE / IN	DIVIDUAL SAMPLING)	Issue Date:
				er an Enter	Version No.: 13 Business Line: Analytical
Tests (Conv	entional Parameters)	Test required	Total of sample		Business Line: Analytical
Combined test	17. Total suspened solids	(v)	size 2000 mL total	Type of container	Preservation method
or Individual test (Remark 4)	(TSS) 18. "Total dissolved solids (TDS)	×	or 2000 mL each	Amber Glass, washed with nitric acid, ninsed thoroughly with distillated water and	Without edding acid
19. 5-day Biochemical	Oxygen Demand (BOD5)	L	1000 mL	dried before use	Store sample at 5°C
20. Heavy Metals except 6)	pt Cr(VI) & Total-P (Remark	2	9 mL,	PE, washed with nitric acid	
21 Cr(VI)		2	95 mL		Acidify to pH 2 with HNO ₃ and store at 6°C Fifter by 0.45µm filter in field, fill to full container
22. Cyanide		~	500 mL	Amber Glass, washed with pesticide grade acctone	without air gap; adjust pH to 9.0-9.5 by adding ammonium buffer. Store sample at 6°C Adjust pH 12 with 50% NaOH, add 0.05 ml of 10%
23. Chemical oxygen de	emand (COD)	V	150 mL		Na ₂ S ₂ O ₃ , and store sample at 5°C
24 Phenols		V	500 mL	Amber Glass; washed with nitric acid	Acidify to pH 2 with H ₂ SO ₄ Store sample at 6°C
25 *Formaldehyde		X	25 mL	and and many mannes with him and	Fill to full container without air gap; acidify to pH 2 with
26. Sulfide (Remark 5)		V	50 mL	PE, washed with pesticide grade Acetone;	H2SO4 and store sample at 6°C Fill to full container without air gap; add 2 drops of 2M zinc acetate, adjust pH to 9 with 6M NaOH
27 Adsorbable organice	ally bound halogens (AOX)	V	100 mL	Amber Glass, washed with nitric acid	Store sample at 6°C Add 0.05 ml of 10% Na ₃ S ₂ O ₃ , acidify to pH 2 with
28. Total Coliform (Rem	and a start of the second start of the second	V	125 mL	PE, clean, sterile,	H ₂ SO ₄ , Store sample at 6°C Add 0.05 ml of 10% Na2S2O3,
29. Persistent foam		V	NA	Feam biober than 45 cm /vinv	al estimation): Yes / No
30. Suifite		V	100 mL	Amber Glass, washed with pesticide grade accione	Add 1mL of 2 5% EDTA, 0.5g zinc acetate
31. Total-N		V	100 mL		Store sample at 6°C
32. Ammonium-N		V	500 mL	Amber Glass with wide-mouth PTFE lid,washed with nitric acid;	Acidity to pH 2 with H25D4 Store sample at 6°C
3. Oil and Grease & Tet	tal-Hydrocarbon-	V	1000 mL	Ambler Glass; washed with nitric acid;	Acidity to pH 2 with HCI
4. Luminus Bacteria Tox	xicity	4	1000 mL		Store sample at 6°C
5. Sulphate	4	4	100 mL	Amber Glass, washed with nitric acid, nased	
6. Chloride		4	100 mL	Ihoroughly with distillated water and dried before use	Without adding acid Store sample at 6°C
7. Color	att in the	V	100 mL		
8. Others:		it			
bservation/ Remark:					1
	De performed upon request		no more liben on	e hour between discrete samples. Sampling time	
Scope of Synthetic learn Scope of MMCF I Free primary aromatics Refer to CPSD-AN-GOO Refer to CPSD-AN-006 Refer to CPSD-AN-006	time for 2016 ZDHC guidelinn ne: Parameter 1, 2, 4-9, 12, 14 ner industry: Parameter 1, 2, 4 Parameter 4, 5, 15, 17, 19-21, amine, pesticides, nitrosamine 009-STIPO1, loactions with In	4-17, 19-24, 28-3 -9, 12, 14-17, 19 23, 24, 26, 27, 1 and TDS are not ose CPSD test of eatment of sulfide eld blank for spec	3 -33 31-34, 37 in the scope of apability inside 1 e if only dissolve cific parameters.	ZDHC Guidline, they are tested upon request. CD matrix can perform the combined test. d sulfide is required to be tested.	10,03.2021
The minimum sampling Scope of ZDHC guidelin Scope of XMCF. I Free primary aromatic a Refer to CPSD-AN-GOO Refer to CPSD-AN-GOO Refer to CPSD-AN-GOO accreded by. F Comment from factory Refer to CPSD-AN-GOO Refer to CPSD-	time for 2016 ZDHC guideline ne. Parameter 1, 2, 4, 6, 12, 11 her industry: Parameter 1, 2, 4 Parameter 4, 5, 15, 17, 19-21, mine, pesticides, nitrosamme 1019-STIP01, loactions with th 570-MTHD for additional pretr i13-MTHD for preparation of fi Full name: MD, M Full name: MD, M second test and tes	4-17, 19-24, 28-3 -9, 12, 14-17, 19 -9, 12, 14-17, 19 -9, 12, 14-17, 19 -9, 23, 24, 26, 27, - and TDS are not pose CPSD test or eatment of sulfid- med Dank for spec- ald blank for spec- special for special for spec- special for special for spec- special for special for special for special for spec- special for special for specia	3 -33 -31-34, 37 - In the scope of apability inside 1 - If only dissolve - If only dissol	ZDHC Guidline, they are tested upon request. CD matrix can perform the combined test d sulfide is required to be tested Date: 	10.03.2021
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