

TEST REPORT

Technical Report August 09, 2022 (8722)204-0219 Date Received July 23, 2022 Page 1 of 20

Factory Company Name: SHAHI EXPORTS PVT LTD (UNIT-9)

Factory Address: 171, 7TH MAIN ROAD, INDUSTRIAL SUBURB BBMP WARD # 11

PEENYA 2ND STAGE, BANGALORE.

Project No.:

Client Reference No.:

Sampling Method: I001) Raw Wastewater - 6 hours - Time - weighted Composite

I002) Sludge - Grab

AW-328375

July 22, 2022 Sample Pick Up Date: Wastewater Discharge to: Others On-Site Effluent Treatment

Yes Plant (ETP):

Discharge Type: Zero Liquid Discharge

Off-site ETP name (if

applicable):

Off-site ETP address (if N/A

applicable):

Local Regulation: / Ordinance /

requirements related to wastewater discharged are

followed:

Permit Validation Date: 30/09/2030 Parameters Exceeded Local N/A

Regulation

Legal compliance: N/A Conventional Parameters

Foundational Overall Category: MRSL Parameter: Not Deducted

Test Period: July 23, 2022 - August 09, 2022

Sample Description:

I001) Light blue color liquid - Raw Wastewater

I002) Brown color Solid - Sludge

Parameters exceeded maximum

holding time:

Sample Number: 8F146509871

Certificate No. TC-6092 (Pls Refer the website www.nabl-india.org to view the scope of accreditation)

Bureau Veritas Consumer Products Services (I) Pvt. Ltd. AKR Tech Park, Ground Floor,

C Block, Survey No 112, BANGALORE

Tel: 0091-80-40701600 Fax: 0091-80-40701655

his report is governed by, and incorporates by reference, the Conditions of Testing as post-This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of Issuance of this report at http://www.bureauveritas.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 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 lests 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. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report the tests conducted and the correctness of the report contents. the completeness of this report, the tests conducted and the correctness of the report contents



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

General enquiry and invoicing Sunesh.nair@in.bureauveritas.com

080-40701621

Technical enquiry-Chemical Sudalaimuthu.vs@in.bureauveritas.com

080-40701639

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.

The NABL symbol is published only on the page/s having NABL accredited tests.

BUREAU VERITAS CONSUMER PRODUCTS SERVICES (INDIA) PVT. LTD. AUTHORIZED SIGNATORIES

APPROVED BY:

P.Sugumar

Lab Manager - Analytical Services

PREPARED BY: KP/MK (8722)204-0219



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Executive Summary

1A) Conventional Parameters	1001	1002
Temperature		
TSS		
COD		
Total-N		
pH Value		
Color [m ⁻¹] (436nm; 525nm; 620nm)		
BOD ₅		NR
Ammonium-N		NR
Total-P	NR	
AOX		
Oil and Grease		
Phenol		
Coliform		
Persistent Foam		
ANIONS - Cyanide		
ANIONS - Sulfide		NR
ANIONS - Sulfite		INK
Dry mass (total solids)	NR	Refer Result
1B) Conventional Parameters – METALS		

ZDHC MRSL Substances	I001	1002
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

Note / Key:

- \square Meet Foundational limit / Meet discharge license criteria
- - Exceeding Foundational Limit / Exceeding discharge license criteria / Exceeding Reporting Limit
- D Detected
- ND Not Detected
- NR Not Requested
- N/A Not Applicable



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Objective

The environment samples were 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

Table 3 Sludge parameter

Sampling Plan

Basically, two environment samples were sampled per factory, including 1) Raw wastewater and 2) Sludge. 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

ANIONS - Cyanide

Test Method : Reference to ISO 6703-1,2, ISO 14403-1,2, US EPA 335.2, APHA 4500-CN, HJ 484

Tested Item(s)	Result	Unit	Conclusion
I002	ND	mg/kg	DATA

Note:

mg/kg = milligram per kilogram

Dry mass (total solids)

Test Method : Reference to US EPA 160.3 /209A

Tested Item(s)	Result	Unit	Conclusion
I002	76.38	%	DATA

% = % by mass





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1B) Conventional Parameters – METALS

Heavy Metals	I001 (mg/L)	I002 (mg/kg)
Antimony(Sb)		
Foundational Limit: 0.1 mg/L;	ND	NR
Progressive Limit: 0.05 mg/L;	(Aspirational)	INK
Aspirational Limit: 0.01 mg/L		
Chromium(Cr), total		
Foundational Limit: 0.2 mg/L;	ND	ND
Progressive Limit: 0.1 mg/L;	(Aspirational)	NR
Aspirational Limit: 0.05 mg/L		
Cobalt(Co)		
Foundational Limit:0.05 mg/L;	ND	ND
Progressive Limit: 0.02 mg/L;	(Aspirational)	NR
Aspirational Limit: 0.01 mg/L	, ,	
Copper(Cu)		
Foundational Limit: 1 mg/L;	0.192	
Progressive Limit: 0.5 mg/L;	(Aspirational)	NR
Aspirational Limit: 0.25 mg/L	(F)	
Nickel (Ni)		
Foundational Limit:.0.2 mg/L;	0.01	
Progressive Limit: 0.1 mg/L;	(Aspirational)	NR
Aspirational Limit: 0.05 mg/L	(Fispirational)	
Silver (Ag)		
Foundational Limit: 0.1 mg/L;	ND	
Progressive Limit: 0.05 mg/L;	(Aspirational)	NR
Aspirational Limit: 0.005 mg/L	(Aspirational)	
Zinc(Zn)		
Foundational Limit: 5 mg/L;	2.351	
Progressive Limit: 1 mg/L;	(Foundational)	NR
Aspirational Limit: 0.5 mg/L	(Poulidational)	
Aspirational Limit: 0.3 mg/L Arsenic (As)		
` '		
Foundational Limit: 0.05 mg/L;	0.002	ND
Progressive Limit: 0.01 mg/L;	(Aspirational)	
Aspirational Limit: 0.005 mg/L	- '	
Cadmium(Cd)	0.004	
Foundational Limit: 0.1 mg/L;	0.004	ND
Progressive Limit: 0.05 mg/L;	(Aspirational)	
Aspirational Limit: 0.01 mg/L		
Chromium VI(CrVI)	NID	
Foundational Limit: 0.05 mg/L;	ND	ND
Progressive Limit: 0.005 mg/L;	(Aspirational)	
Aspirational Limit: 0.001 mg/L		
Lead(Pb)	0.005	
Foundational Limit:0.1 mg/L;	0.005	ND
Progressive Limit: 0.05 mg/L;	(Aspirational)	110
Aspirational Limit: 0.01 mg/L		
Mercury (Hg)		
Foundational Limit: 0.01 mg/L;	ND	ND
Progressive Limit: 0.005 mg/L;	(Aspirational)	ND
Aspirational Limit :0.001 mg/L		





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Others Priority Chemical Groups

	I001 (μg/L)	I002 (mg/kg)
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
2J) Organotin Compounds	ND	ND
2L) Phthalates	ND	ND
2M) Poly Aromatic Hydrocarbons	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; mg/kg = milligram per kilogram



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Others Priority Chemical Groups

2G) Flame Retardants	ND	ND
2H) Glycols	ND	ND
2I) Halogenated Solvents	ND	ND
2K) Perfluorinated and Polyfluorinated Chemicals	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.).
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APPENDIX A - Photo of the Sample/ Sampling Location

I001) Sampling Point 13°01'27.6"N 77°31'40.8"E



I001) Sampling Point Surrounding Environment 13°01'27.6"N 77°31'40.8"E



I001) All sampled bottles with label



I001) pH value



I001) Sample for Phthalate Testing



I001) Packaging



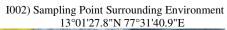


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I002) Sampling Point 13°01'27.8"N 77°31'40.9"E







I002) All sampled bottles with label



I002) Sample for Phthalate Testing



I002) Packaging





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APPENDIX B

Report Limit					
				t Limit	
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 Alkylphenol	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)
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			
	2,4,6-Trichlorotoluene	23749-65-7	0.2	0.2	-
	3,4,5-Trichlorotoluene 2,3,4,5-Tetrachlorotoluene	21472-86-6	0.2	0.2	1
	2,3,4,5-1 etrachlorotoluene 2,3,5,6-Tetrachlorotoluene	76057-12-0 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	-
	2-Chlorophenol	95-57-8	0.2	0.2	
	3-Chlorophenol	108-43-0	0.5	0.05	1
	4-Chlorophenol	106-48-9	0.5	0.05	USEPA 8270 D
	2,3-Dichlorophenol	576-24-9	0.5	0.05	Solvent extraction,
2C. Chlorophenols	2,4-Dichlorophenol	120-83-2	0.5	0.05	derivatisation with
	2,5-Dichlorophenol	583-78-8	0.5	0.05	KOH, acetic anhydride
	2,6-Dichlorophenol	87-65-0	0.5	0.05	followed by GC/MS
	3,4-Dichlorophenol	95-77-2	0.5	0.05	



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			Repor	t Limit	
	Substance (Testing		Wastew	Sludge	Name of the testing
Group	Substance (Testing parameter)	CAS No.	ater		method
	parameter)		(ug/L)/((mg/kg) /(ppm)	memod
			ppb)		
	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	1
	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-	120-71-8	0.1	0.2	1
	Cresidine)		0.1		
	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-	615-05-4	0.1	0.2	EN 14362.
2D. Dyes - Azo	phenylenediamine	013 03 1	0.1		Reduction step with Sodiumdithionite, solvent extraction,
(Forming Restricted	4,4`-Methylene-di-o-	838-88-0	0.1	0.2	
Amines)	toluidine				
	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	
	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	1
	5-nitro-o-toluidine	99-55-8	0.1	0.2	1
	C.I. Direct Black 38	1937-37-7	500	10	
	C.I. Direct Blue 6	2602-46-2	500	10	1
	C.I. Acid Red 26	3761-53-3	500	10	1
	C.I. Basic Red 9	569-61-9	500	10	1
	C.I. Direct Red 28	573-58-0	500	10	1
	C.I. Basic Violet 14	632-99-5	500	10	1
NE D	C.I. Disperse Blue 1	2475-45-8	500	10	1
2E. Dyes-	C.I. Disperse Blue 3	2475-46-9	500	10	Liquid Extraction
Carcionogenic or	C.I. Basic Blue 26 (with			10	LC/MS
Equivalent Concern	Michler's Ketone > 0.1%)	2580-56-5	500		
	C.I. Basic Green 4	560.64.2		10	1
	(malachite green chloride)	569-64-2	500		
	C.I. Basic Green 4	2427.20.8	500	10	1
	(malachite green oxalate)	2437-29-8	500		
	C.I. Basic Green	10309-95-2	500	10	
	4(malachite green)	10307-73-4	300		



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				t Limit	
	Substance (Testing		Wastew	Sludge	Name of the testing
Group	parameter)	CAS No.	ater	(mg/kg)	method
	parameter)		(ug/L)/(/(ppm)	method
			ppb)	/(ppiii)	
	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	1
	Disperse Red 11	2872-48-2	50	2	1
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	1
	Disperse Blue 35	12222-75-2	50	2	†
	Disperse Blue 124	61951-51-7	50	2	†
	Disperse Yellow 9	6373-73-5	50	2	1
			50	2	1
	Disperse Orange 3	730-40-5 56524-77-7			-
	Disperse Blue 35	36324-77-7	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)	5412-25-9	5	1	
2G F	phosphate (BIS/BDBPP) Tris(aziridinyl)-	545-55-1	5	1	ISO 22032, USEPA527 and USEPA8321B.
2G. Flame Retardants	phosphineoxide (TEPA) Polybromobiphenyls	50526 65 1		1	Dichloromethane
	(PBBs) Tetrabromobisphenol A	59536-65-1	5	1	extraction GC/MS or LC/MS(-MS)
	(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	
	Bis(2-methoxyethyl)-ether	111-96-6	50	10	
	2-ethoxyethanol	110-80-5	50	10	1
	2-ethoxyethyl acetate	111-15-9	50	10	1
	Ethylene glycol dimethyl			10	US EPA 8270
2H. Glycols	ether	110-71-4	50	10	Liquid Extraction LC/MS
	2-methoxyethanol	109-86-4	50	10	4
	2-methoxyethylacetate	110-49-6	50	10	_
	2-methoxypropylacetate	70657-70-4	50	10	



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				*	
Group	Substance (Testing parameter)	CAS No.	Report Wastew ater (ug/L)/(ppb)	Sludge (mg/kg) /(ppm)	Name of the testing method
	Triethylene glycol dimethyl ether	112-49-2	50	10	
2I. Halogenated Solvents	1,2-Dichloroethane Methylene Chloride Trichloroethylene	107-06-2 75-09-2 79-01-6	1 1 1	2 2 2	USEPA 8260B Headspace GC/MS or Purgeand-Trap-GC/MS
	Tetrachloroethylene	127-18-4	1	2	Fulgeand-Trap-OC/MS
	Mono-, di- and tri- methyltin derivatives Mono-, di- and tri-butyltin	Multiple Multiple	0.01	0.2	
	derivatives Mono-, di- and tri-phenyltin	Multiple	0.01	0.2	
	derivatives Mono-, di- and tri-octyltin	Multiple	0.01	0.2	
	derivatives Monomethyltin	Multiple	0.01	0.2	-
2J. Organotin	Dimethyltin	Multiple	0.01	0.2	ISO 17353
Compounds	Trimethyltin	Multiple	0.01	0.2	Derivatisation with
Compounds	Monobutyltin	Multiple	0.01	0.2	NaB(C2H5) GC/MS
	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	
	Dioctyltin	Multiple	0.01	0.2	
	Trioctyltin	Multiple	0.01	0.2	
	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
2K. Perfluorinated	Perfluoro-n-octanoic acid (PFOA)	335-67-1	0.01	0.10	
and Polyfluorinated Chemicals (PFCs)	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	(FTOH): derivatisation with acetic anhydride,
	8:2 FTOH	678-39-7	1	1	followed by GC/MS
	6:2 FTOH	647-42-7	1	1	Tollowed by Gerivis
	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	10	2	
	Dimethoxyethyl phthalate (DMEP)	117-82-8	10	2	
	Di-n-octyl phthalate (DNOP)	117-84-0	10	2	
OI Dhah alata	Di-iso-decyl phthalate (DIDP) Di-iso-nonyl phthalate	26761-40-0	10	2	HC EDA 9270D 100
2L. Phthalates (including all other esthers of phthalic	(DINP) Di-n-hexyl phthalate	28553-12-0	10	2	US EPA 8270D, ISO 18856 Dichloromethane extraction GC/MS
acid)	(DnHP) Dibutyl phthalate (DBP)	84-75-3 84-74-2	10	2	
	Butyl benzyl phthalate (BBP)	85-68-7	10	2	
	Dinonyl phthalate (DNP)	84-76-4	10	2	1
	Diethyl phthalate (DEP)	84-66-2	10	2	1
	Di-n-propyl phthalate (DPRP)	131-16-8	10	2	
	Di-iso-butyl phthalate	84-69-5	10	2	



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				t Limit		
Group	Substance (Testing parameter)	CAS No.	Wastew ater (ug/L)/(ppb)	Sludge (mg/kg) /(ppm)	Name of the testing method	
	(DIBP)					
	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		
	Benzo[a]pyrene (BaP)	50-32-8	1	0.2	-	
	Anthracene	120-12-7	1	0.2	-	
	Pyrene Panza[ghi]narylana	129-00-0 191-24-2	1	0.2	-	
	Benzo[ghi]perylene		_		-	
	Benzo[e]pyrene	192-97-2	1	0.2	-	
	Indeno[1,2,3-cd]pyrene Benzo[j]fluoranthene	193-39-5 205-82-3	1	0.2	-	
	Benzo[b]fluoranthene	205-99-2	1	0.2		
2M. Poly Aromatic	Fluoranthene	206-44-0	1	0.2	DIN 38407-39	
Hydrocarbons	Benzo[k]fluoranthene	207-08-9	1	0.2	Solvent extraction	
(PaHs)	Acenaphthylene	208-96-8	1		GC/MS	
	Chrysene	218-01-9	1	0.2	1	
	Dibenz[a,h]anthracene	53-70-3	1	0.2	1	
	Benzo[a]anthracene	56-55-3	1	0.2	1	
	Acenaphthene	83-32-9	1	0.2	-	
	Phenanthrene	85-01-8	1	0.2	1	
	Fluorene	86-73-7	1	0.2	1	
	Naphthalene	91-20-3	1	0.2	1	
	Benzene	71-43-2	1	2		
2N. Volatile	Xylene	1330-20-7	1	2	ISO 11423-1	
Organic Compound	o-cresol	95-48-7	1	2	Headspace- or Purge-	
(VOCs)	p-cresol	106-44-5	1	2	and-Trap-GC/MS	
	m-cresol	108-39-4	1	2		
	Temperature	_	N/A	N/A		
	TSS	_	N/A	N/A		
	COD	_	N/A	N/A	Apply the standard methods that best apply	
	Total-N	-	N/A	N/A	to the region (ISO, EU,	
	pH	 -	N/A	N/A	US, China), please refer	
	Color [m ⁻¹] (436nm; 525nm; 620nm)	_	N/A	N/A	to ZDHC Wastewater Guidelines for more	
	BOD5	_	N/A	N/A	details on the testing	
	Ammonium-N	-	N/A	N/A	method and the levels	
1A. Conventional	Total-P	_	N/A	N/A	(Foundational,	
Parameters	AoX	-	N/A	N/A	Progressive, and	
	Oil and Grease		N/A	N/A	Aspirational).	
	Phenol Coliform(bacteria/100ml)	-			_	
		-	N/A Not	N/A Not	Cyanide: With	
	Persistent Foam	_	visible	visible	reference to APHA 4500 CN—B,C&E and	
	ANIONS	V (in 1 57 10 5)	10.00	1	followed by UV	
	Cyanide(CN-)	Various (incl. 57-12-5)	0.02	1	analysis	
	Sulfide	<u> </u>	N/A	N/A	-	
	Sulfite		N/A	N/A		



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Group	Substance (Testing parameter)	CAS No.	Report Wastew ater (ug/L)/(ppb)	Sludge (mg/kg) /(ppm)	Name of the testing method	
Group	Substance (Testing parameter)	CAS No.	Report 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	0-66-6 0.001		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,	
	Chromium VI(CrVI)	18540-29-9	40-29-9 0.001		Progressive, and	
	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



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APPENDIX C - Onsite Field Data Record Sheet

FIE		IELD DATA RE	CPSD-AN-00613-DATA 04 Issue Date: Version No.: 13								
		(00			Business Lin						
eneral Data aboratory Sample Numb	ier:	(8	122)21	04-02	19						
lient Name:											
eld Contact Person:		Mr. Abd	101-27	08	Phone No:	991160	0019				
oject (Facility Name an	d Address):	MY Abd SHAHI E	AN NOUSE	0.7171	DEST O	N. Park	20.51 pm	Stage	Banga		
impling Location / Desc		SHAHL E	XPORIS	101.40 -	VICT-4	(1 poets	J'are		0		
imple Identification:	inpuori.	Kaw waste water									
ample Type:			Zero discharge with sampling plan Composite Sample / Grab sample (Please delete as appropriate)								
ame of Sampler: scharge mode:		Direct discharge to	PACAKE	cifudestination: Ri	ver Sea Stream	.) OR Indirect disch	arge to sewage tre	patment plant	ZLOPI		
_						,					
ate of collection:			7/202	shing / Others (ple	and enocify):						
actory Type:		*Note: It would be :			sase specify).						
		Note: it would be	Joseph More than								
eld Data for Wastewa rrival Time:	ter	10.10.0	^	Departure Time:		3.4080	^	1			
eld Parameters		10.10 Am		Temp : 32 - 1	°C	Color: 1) sh		Flow rate : 62	75volume/min)		
	mont	0.0		. Sinp . 32 .]	-	11800					
ontrol No. of field equip		_	· ·	86			1	No			
actory with effluent trea	unent plant:		Incoming water								
			Wastewater bef	1							
ample matrix:						- lat					
			vvastewater arte	er treatment – wat	er at discriarge p	John		T			
ampler container numb	er				4	5	6	7	8		
		1	2	3	4	5	ь	- '	0		
ecording time	ID				7	0	0 0 0 000				
	Time			12.20pm			3.20pm				
H:		6.8	6.9	6-8	6.6	6.8	6-9				
emp (°C):		32'4	332	32	33°	32	31.0				
olor (visual estimation)		118ht blue	eighthhe		Wante	17 shirts he	(18hbhe				
low rate (volume/time)		62 12mg/m	68:75mgh	-		62.18mgh					
olume collected, mL	1	1000m	loconu	losonu	Lesoom	(soom	(
otal volume collected			Remark: Total v	olume collected r	nust be greater t	han total of samp	le size required				
naturals Required and	Preservation Method										
	MRSL Parameters)	Test required	Total of sample size	Type of container			Preservation method				
	1. Phthalate										
Combined test	2. Chlorobenzenes,	./	1000 mL total								
or Individual test	Chlorotoluene & PAH		or 1000 mL each								
(Remark 4)	3. SCCPs		1000 mL each								
	4. APS										
5. APEOs			100 mL								
6. Chlorophenois & Cresois		1	100 mL								
7. Flame retardant			500 mL	Amber Glass,washed with nitric acid, rinsed thoroughly with distillated water and				Without adding ad Store sample at 6	id °C		
B. Dyes			10 mL	distillated water and dried before use							
B. Glycol			50 mL	+							
		7	1000 mL	1							
0. *Pesticides			1000 mL	-							
11. *Nitrosamine		7		+							
12. Banned Azodyes			2000 mL	-							
13. *Free primary aromatic amines			500 mL				A-146-1-142 WH HO!				
14. Organotin Compounds			500 mL	Amber Glass, washed with nitric acid			Acidify to pH 2 with HCl and store sample at 6°C Fill to full container without air gap; acidify to pH 2 wi				
15. VOC & Halogenate	d Solvents (Remark 6)	V	10 mL	0.00	unched with	ticide	HCI and store sample at 6°C				
16. PFCs			2 mL	PE, washed with pesticide grade Acetone			Without adding acid Store sample at 6°C				



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

CPSD-AN-00613-DATA 04
Issue Date:
Version No.: 13
Business Line: Analytical

					Business Line: Analytica		
Tests (Conventional Parameters)		Test required (v)	Total of sample size	Type of container	Preservation method		
Combined test or 17. Total suspened solids (TSS) Individual test 18. *Total dissolved solids		X	2000 mL total or 2000 mL each	Amber Glass, washed with nitric acid, rinsed thoroughly with distillated water and	Without adding acid		
(Remark 4) 19. 5-day Biochemical C	(TDS) Exygen Demand (BOD5)	~	1000 mL	dried before use	Store sample at 6°C		
	t Cr(VI) & Total-P (Remark 6)		9 mL	PE, washed with nitric acid	Acidify to pH 2 with HNO ₃ and store at 6°C		
21. Cr(VI)		~	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		
22. Cyanide		X	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		
23. Chemical oxygen de	mand (COD)	X	150 mL		Acidify to pH 2 with H ₂ SO ₄		
24. Phenois		X	500 mL	Amber Glass; washed with nitric acid	Store sample at 6°C		
25. *Formaldehyde		X	25 mL		Fill to full container without air gap; acidify to pH 2 w H2SO4 and store sample at 6°C		
26. Sulfide (Remark 5)		X	50 mL	PE, washed with pesticide grade Acetone;	Fill to full container without air gap; add 2 drops of 2 zinc acetate, adjust pH to 9 with 6M NaOH Store sample at 6°C		
27. Adsorbable organically bound halogens (AOX)		X	100 mL	Amber Glass, washed with nitric acid	Add 0.05 ml 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 (Remark 6)		X	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	ual estimation): Yes / No		
30. Sulfite		X	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		X	100 mL	Amber Glass with wide-mouth PTFE lid; washed with	Acidify to pH 2 with H2SO4		
32. Ammonium-N		X	500 mL	nitric acid;	Store sample at 6°C		
33. Oil and Grease & To	tal Hydrocarbon	X	1000 mL	Amber Glass; washed with nitric acid;	Acidify to pH 2 with HCI Store sample at 6°C		
34. Luminus Bacteria Toxicity		X	1000 mL				
35. Sulphate		X	100 mL	Amber Glass, washed with nitric acid, rinsed thoroughly with distillated water and	Without adding acid		
36. Chloride		×	100 mL	dried before use	Store sample at 6°C		
37. Color		X	100 mL				
38. Others:		X					
Observation/ Remark:							

*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.
- $3.\ Scope\ of\ ZDHC\ guideline:\ Parameter\ 1,\ 2,\ 4-9,\ 12,\ 14-17,\ 19-24,\ 26-33$

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 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 blank for specific parameters.

A 4 h

Recorded by:

M. Yoralakinshman

Date: 22/07/2022

Comment from factory

Acknowledgement by factor

I hereby confirmed that Byreau 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:

1-BOUL MAZEER

Date: 27/07/3037



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Sample Identification: Sample Injectification: Sample Injectification: Sample Injectification: Sample Injectification: Sample Injectification: Decharge mode: Decharge mode: Decharge mode: Decharge mode: Departy Premise (Specify selectation River, Sea, Stream) On edited elaborate testing the selectation mode floar one. Pactory Type: Departy Injectification: Product Injectification: Product Injectification: Product Injectification: Product Injectification: Departy Premise (Specify selectation River, Sea, Stream) On edited elaborate testing the selected mode floar one. Product Injectification: Product Injectification: Departy Premise (Specify selectation River, Sea, Stream) On edited elaborate testing the selected mode floar one. Product Injectification: Departy Premise (Specify selectation River, Sea, Stream) On edited elaborate testing the selected mode floar one. Product Injectification: Product Injectification: Analysis Required and Preservation Method Tests (MRSL Parameter) Test (supple in General Specification Injectification In	(非)	FII	ELD DATA R	ECORD OF	N ZERO DISC	HARGE S	AMPLE		Issue Date:			
Acceptor State Present State WY. A BOUL NAZEER Present No. 984449 50519 Sharpe Incontraction Description: Sample Sentification Description: State of celection: Disparative Time Conception Description: State of State State Visit Description Description: State of State State Visit Description Description: State State Visit Description: State State State Visit Description: State State State Visit Description: State	1815	(COMF	POSITE / IN	DIVIDUAL SA	Version No.: 13		13					
Ambient Cases from the Monte Cases from the Cases f	VERITAS								Business Li	ne: Analytical		
MY. ABDU NAZER Processor Treat learning Location Persones Sharps indentification Among Type Browness and Address Sharps indentification Among Type The Company of th	General Data											
MY. ABDU NAZER Processor Treat learning Location Persones Sharps indentification Among Type Browness and Address Sharps indentification Among Type The Company of th	aboratory Sample Num	nber:	1.8	722)20	04-0210	3						
Total organization without a service plant Composition Sample (Passed decisions as a appropriate) Zero decisioning with sampling plan Composition Sample (Passed decision as appropriate) Zero decisioning with sampling plant Composition Sample (Passed decision as appropriate) The referenting review review (Specify decisionation Kinn: Sau Stimam.) OR Indiant distributions or season of Sample (Passed decision as appropriate) The Passed Standard Passed Stimam (Passed Stimam (Pas	lient Name:			1								
Total organization without a service plant Composition Sample (Passed decisions as a appropriate) Zero decisioning with sampling plan Composition Sample (Passed decision as appropriate) Zero decisioning with sampling plant Composition Sample (Passed decision as appropriate) The referenting review review (Specify decisionation Kinn: Sau Stimam.) OR Indiant distributions or season of Sample (Passed decision as appropriate) The Passed Standard Passed Stimam (Passed Stimam (Pas	ield Contact Person:		Mar AR	DUL NAZ	EED F	Phone No:	78 1101	50519				
Trace (MRSL Parameter) Test (MRSL Parameter)	roject (Facility Name ar	nd Address):	CHANS	EN ONPTO	DUT-1TA-	a H	0000	nue Inc	Stago	Ranga		
ample Type: Composite Service (Conception Service) Conscious feet (Second)	Sampling Location / Description:		studge									
Amber Glass, washed with nettic and Combined test Compared and Proservation Method Amber Container Tests (MRSL Parameter) Tests (MRSL Parameter) Tests (MRSL Parameter) Subge in clarifier (redementation task) Tests (MRSL Parameter) Tests (MRSL Parameter) Tests (MRSL Parameter) Subge in clarifier (redementation task) Tests (MRSL Parameter) Test (MRSL Parameter) Tests (MRSL Parameter) Tests (MRSL Parameter) Tests (MRSL Parameter) Tests (MRSL Parameter) Test (MRSL Para	Sample Identification:											
Subgrain mode President State President Sta	Sample Type:		Composite Sam	ple / Grab Sampl	le (Please delete as	s appropriate)						
Deter description from control (Georg) destination. River, Sea. Stream) Oil reduced exchange to sweapa treatment plant. **Departure Time:** Departure Time:**	lame of Sampler:		M Co-	PAINE	Lea hall St							
Substitution of the continued tests (Remark 3) Combined test (Remark 3) 1 Philadia 10 10 10 10 10 10 10 1	ischarge mode:		Direct discharge to environment (Specify destination: River, Sea, Stream) OR indirect discharge to sewage treatment plant ZLD Plan									
Test S (MRSL Parameter) Combined test (Memark 3) 1-Primater Combine	Date of collection:		19 17	1000								
Indicate Data for Studge Invited Time Departure Time: Color: Yourn	actory Type:					ase specify):						
Departure Time: Index Departure Time: Departure Time: S 1 4 5 6 7 7			*Note: It would be	selected more that	in one							
Departure Time: Departure Time: Departure Time: S 4 6 6 7 7 7 7 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ield Data for Sludge											
and parameters plant reservation Method actory with efficient parameters and preservation Method and preservation method with the preservation method and preservation and preservation and preservation and preservation and preservation method and preservation and preserva		In la Am			Departure Time:		3,40	PIM				
control No. of feld equipment Inalysis Required and Preservation Method actory with effluent treatment plant Yes No No Ample matrix Ample matrix Sudge in clarifier (sedmentation tank) Tests (mark SL Parameter) Test required OD - 60P, NO Tests (MRSL Parameter) Test required Combined test (Remark 3) 1. Phyladate Chirocoplane & RAHs SCOPS Chirocoplane & Amber Glass, wash with pesticide grade acetone Fill to full container without any air gap and address of add and actor at 6°C Fill to full bottle without any air gap and store at 6°C Fill to full container without any air gap and acid add and actor at 6°C Fill to full bottle without any air gap and store at 6°C Fill to full bottle without any air gap and store at 6°C Fill to full container without any air gap and acid add and actor at 6°C Fill to full container without any air gap and acid add and actor at 6°C Fill to full container without any air gap and acid add and actor at 6°C Fill to full container without any air gap and acid acid add and actor at 6°C Fill to full container without any air gap and acid acid acid and acid acid and acid acid and acid acid and acid acid acid acid acid acid acid aci	ield Parameters	10101111				°C	- 1					
Analysis Regulared and Preservation Method action with effluent treatment plant Yes Studge in clarifier (sedimentation tank) ample matrix Tests (MRSL Parameter) Test required 1 Perservation method Type of container Preservation method Tipe of container Tipe of container		I ment	Post in		Total Processing	-	y 10	-011				
and only with effluent treatment plant Yes Studge in clarifier (sedimentation tank) ample matrix Tests (MRSL Parameter) Tests (Conventional Parameters) 1 Phinalate 2 Children Parameters 3 SCCPs 4 APS 4 APS 4 Total 5 SPCs 5 PFCs 1 Test required 5 Test (Conventional Parameters) Test required 1 Test required 2 Seg PE. wash with pesticide grade acetione 2 Seg PE. wash with nitric acid Test (Conventional Parameters) 3 Amber Glass, wash with pesticide grade acetione 3 Seg PE. wash with nitric acid 3 Amber Glass, wash with pesticide grade acetione 3 Seg PE. wash with nitric acid 4 Seg PE. wash with nitric acid 5 Seg PE. wash with nitric acid 6 Seg PE. wash with nitric acid 7 Seg PE. wash with nitric acid 8 Seg PE. Without any air gap and store at 5 Seg PE. wash with nitric acid 8 Seg PE. Without any air gap and acid acid acid acid acid acid acid aci	ona or rivo. or riela equip	ment	1									
Sampler matrix Sampler container number Test squared Test squared Test squared Test squared Total of sample soze size size size size size size size si												
Recording time Combined test Chicrobenzenes Chicro		itment plant						N	lo			
Tests (MRSL Parameter) Test required folial of sample (Combined test or individual test (Remark 3) APECS Childrochensenes, Childrochense APAHs (Combined Size 2) APECS A	sample matrix			Sludge in clarifie	er (sedimentation ta	ank)						
Tests (MRSL Parameter)	ampler container numb	per .	4									
Combined test or Individual test (Remark 3) 1. Phintaite 2. Chlorobenzenes. Chlorobenzen	lecording time		02 00p. N									
Combined test or Individual test (Remark 3) APEOS APEOS Chiorophenols & Cresols APEOS Chiorophenols & Cresols Chior	Tests (MR	SL Parameter)			Type of container			Pr	eservation meth	od		
Combined test or Individual test (Remark 3) APEDs APEDs Chlorophenols & Cresols APED APED Chlorophenols & Cresols APED APE APE		1. Phthalate										
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pH 12 with 50% NaOH and store at 6°C 2. Others (Y. Solid)	0. Total organic carbon	(TOC)	×	20 g								
2. Others (1/2. Solid)	1. Cyanide			50 g								
San Maria Danada	2. Others (1/2	Solid)							22.10	-		
pservation/ Remark:	bservation/ Remark:	,			L			L				
Remarks:												
Individual sampling can be performed upon request		li Parameter 1, 2, 4-9, 11, 13										

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Scope of synthetic leather industry: Parameter 1, 2, 4-9, 11, 13-17, 21

Scope of MMCF: Parameter 16, 18-20
Free primary aromatic amine and pesticides are not in the scope of ZDHC Guidline, they are tested upon request.



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APPENDIX D - Limitation Value of Legal Requirements

N/A