TEST REPORT

Technical Report	**(6722)133-0702**	May 27, 2022
Date Received	May 14, 2022	Page 1 of 24

Factory Company Name：	RADNIK EXPORTS.
Factory Address:	D-201 , SECTOR-63 , NOIDA , U.P , INDIA
Project No.:	/
Client Reference No.:	/
Sampling Method:	I001) Raw Wastewater – Time- weighted Composite I002) Discharged Wastewater – Time- weighted Composite
Sample Pick Up Date:	May 13, 2022
Wastewater Discharge to:	Irrigation river through drain
On-Site Effluent Treatment Plant (ETP):	Yes
Discharge Type:	Direct Discharge
Off-site ETP name (if applicable):	/
Local Regulation: / Ordinance requirements related to wastewater discharged are followed:	108277/UPPCB/Greater Noida(LAB)/CTO/water/ GREATER NOIDA/2020
Permit Validation Date:	31st March , 2024
Parameters Exceeded Local Regulation	N/A
Legal compliance:	N/A
Conventional Parameters overall Category:	Foundational
Test Period:	May 14, 2022 to May 27, 2022
Sample Description:	I001) Transparent liquid – Raw Wastewater I002) Transparent liquid – After treatment Wastewater
Parameters exceeded holding Time:	N/A
Sampler No:	8F146508857

Bureau Veritas Consumer Products Services (India) Pvt. Ltd.,
C-19, Sec – 7 Noida (U.P.) 201301 PH: 4368283/205

ULR -TC631222100080035P

REMARK

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

PLEASE CONTACT:
FOR ANY TECHNICAL ISSUES: RAMESH KUMAR / SUMANTA KUMAR SWAIN
E. MAIL: ramesh.kumar@bureauveritas.com , sumanta.swain@bureauveritas.com
PHONE NO: 0120-4368206/264
FOR ANY GENERAL ISSUES: RAHUL SRIVASTAVA / CHHATISH KUMAR NATH
E. MAIL: rahul.srivastava@bureauveritas.com, chhatish.nath@bureauveritas.com
PHONE NO: 0120-4368205/283
FOR ANY INVOICING MATTER: MR. MARTIN SEBASTIAN
E. MAIL: martin.sebastian@bureauveritas.com **PHONE NO:** 0120-4368200

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 (INDIA) PVT. LTD.

SIGNATORIES

RAHUL SRIVASTAVA
(Manager – Analytical)

1A) Conventional Parameters	**I001**	**I002**
Temperature	NR	☐
TSS		☐
COD		☐
Total-N		☐
pH Value		☐
Color [m^{-1}] (436nm; 525nm; 620nm)		☐
BOD_5		☐
Ammonium-N		☐
Total-P		☐
AOX		☐
Oil and Grease		☐
Phenol		☐
Coliform		☐
Persistent Foam		☐
ANIONS - Cyanide		☐
ANIONS - Sulfide		☐
ANIONS - Sulfite		☐
1B) Conventional Parameters – METALS	☐	☐

Note / Key :

- ☐ – Meet Foundational Limit / Meet discharge license criteria/ Meet Reporting Limit
- ■ – Exceeding Foundational Limit / Exceeding discharge license criteria/Exceeding Reporting Limit
- NR – Not Requested / Not required

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

Note / Key :

- ● – Detected
- o – Not Detected

- N/A – Not Applicable

Objective

The environment samples were tested for below parameters.

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

Sampling Plan

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

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

Remark :

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

Test Result

1A) Conventional Parameters

Temperature

Test Method : Measurement by thermometer

Tested Item(s)	Result	Unit	Conclusion
I002	31.1 (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 : APHA 2540D

Tested Item(s)	Result	Unit	Conclusion
I002	09 (Progressive)	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 : APHA 5220D

Tested Item(s)	Result	Unit	Conclusion
I002	55 (Foundational)	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 : APHA 4500 N-C

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

Note:

mg/L = milligram per liter

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

pH Value

Test Method : Reference to ISO 10523

-	**Unit**	**Result**
Test Item(s)	-	I002
Parameter	-	-
Temp. of sample	deg. C	31.1
pH value of sample		7.5 (Comply with ZDHC WWG requirements)
Conclusion	-	DATA

Note:

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

Color [m^{-1}] (436nm; 525nm; 620nm)

Test Method : With reference to ISO 7887-B

Tested Item(s)	**Result**	**Unit**	**Conclusion**
I002	0.3;0.4;0.4 (Aspirational)	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 (BOD_5)

Test Method : APHA 5210B

Tested Item(s)	**Result**	**Unit**	**Conclusion**
I002	12 (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

Ammonia Nitrogen

Test Method : APHA 4500 NH_3-N

Tested Item(s)	**Result**	**Unit**	**Conclusion**
I002	ND (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

Total Phosphorus (Total-P)

Test Method **:** APHA 4500P-J

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

Note:

mg/L = milligram per liter
Foundational Limit: 3 mg/L; Progressive Limit: 0.5 mg/L; Aspirational Limit: 0.1 mg/L

Adsorbable Organic Halogen (AOX)

Test Method **:** Reference to ISO 9562

Tested Item(s)	Result	Unit	Conclusion
I002	0.82 (Progressive)	mg/L	DATA

Note:

mg/L = milligram per liter
Foundational Limit: 5 mg/L; Progressive Limit: 1 mg/L; Aspirational Limit: 0.1 mg/L

Oil and Grease

Test Method **:** Reference to ISO 9377-2/ APHA 5520-B

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

Note:

mg/L = milligram per liter
Foundational Limit: 10 mg/L; Progressive Limit: 2 mg/L; Aspirational Limit: 0.5 mg/L

Phenol

Test Method **:** APHA 5530 C

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

Note:

mg/L = milligram per liter
Foundational Limit: 0.5 mg/L; Progressive Limit: 0.01 mg/L; Aspirational Limit: 0.001 mg/L

Coliform

Test Method : Reference to ISO 9308-01

Tested Item(s)	Result	Unit	Conclusion
I002	Absent (Aspirational)	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

Foam

Test Method : Visual

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

ANIONS - Sulfide

Test Method : APHA 4500 S^{2-}D

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

Note:

mg/L = milligram per liter
Foundational Limit: 0.5 mg/L; Progressive Limit: 0.05 mg/L; Aspirational Limit: 0.01 mg/L

ANIONS - Sulfite

Test Method : Reference to ISO 10304-3/ APHA 4500 $SO3^{2-}$C

Tested Item(s)	Result	Unit	Conclusion
I002	ND (Aspirational)	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

Test Result

ANIONS- Cyanide

Test Method **:** APHA 4500-CN

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

1B) Conventional Parameters – METALS

Heavy Metals	**I001 *(mg/L)***	**I002 *(mg/L)***
Antimony(Sb) *Foundational Limit: 0.1 mg/L; Progressive Limit: 0.05 mg/L; Aspirational Limit: 0.01 mg/L*	ND (Aspirational)	0.002 (Aspirational)
Chromium(Cr), total *Foundational Limit: 0.2 mg/L; Progressive Limit: 0.1 mg/L; Aspirational Limit: 0.05 mg/L*	0.001 (Aspirational)	0.001 (Aspirational)
Cobalt(Co) *Foundational Limit:0.05 mg/L; Progressive Limit: 0.02 mg/L; Aspirational Limit: 0.01 mg/L*	ND (Aspirational)	ND (Aspirational)
Copper(Cu) *Foundational Limit: 1 mg/L; Progressive Limit: 0.5 mg/L; Aspirational Limit: 0.25 mg/L*	ND (Aspirational)	ND (Aspirational)
Nickel (Ni) *Foundational Limit:.0.2 mg/L; Progressive Limit: 0.1 mg/L; Aspirational Limit: 0.05 mg/L*	ND (Aspirational)	ND (Aspirational)
Silver (Ag) *Foundational Limit: 0.1 mg/L; Progressive Limit: 0.05 mg/L; Aspirational Limit: 0.005 mg/L*	0.003 (Aspirational)	ND (Aspirational)
Zinc(Zn) *Foundational Limit: 5 mg/L; Progressive Limit: 1 mg/L; Aspirational Limit: 0.5 mg/L*	0.020 (Aspirational)	0.008 (Aspirational)
Arsenic (As) *Foundational Limit: 0.05 mg/L; Progressive Limit: 0.01 mg/L; Aspirational Limit: 0.005 mg/L*	0.007 (Progressive)	0.006 (Progressive)
Cadmium(Cd) *Foundational Limit: 0.1 mg/L; Progressive Limit: 0.05 mg/L; Aspirational Limit: 0.01 mg/L*	ND (Aspirational)	ND (Aspirational)
Lead(Pb) *Foundational Limit:0.1 mg/L; Progressive Limit: 0.05 mg/L; Aspirational Limit: 0.01 mg/l*	ND (Aspirational)	ND (Aspirational)

Heavy Metals	**I001 *(mg/L)***	**I002 *(mg/L)***
Mercury (Hg) *Foundational Limit: 0.01 mg/L; Progressive Limit: 0.005 mg/L; Aspirational Limit :0.001 mg/L*	ND (Aspirational)	ND (Aspirational)
Chromium VI(CrVI) *Foundational Limit: 0.05 mg/L; Progressive Limit: 0.005 mg/L; Aspirational Limit: 0.001 mg/L*	ND (Aspirational)	ND (Aspirational)

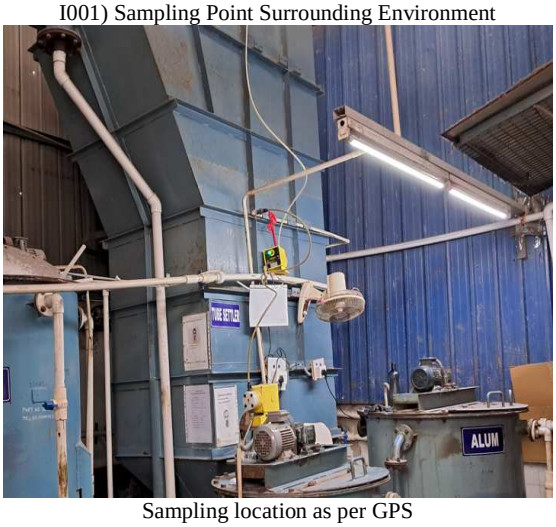
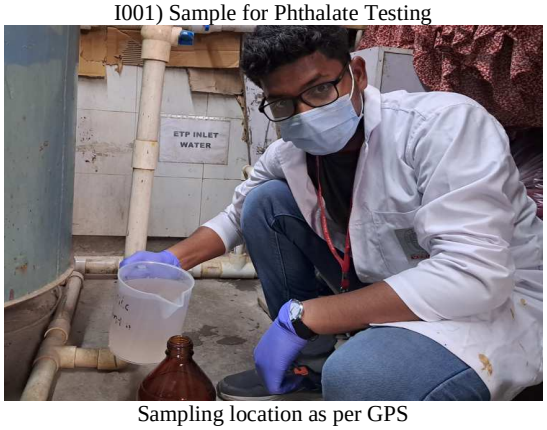
Others Priority Chemical Groups

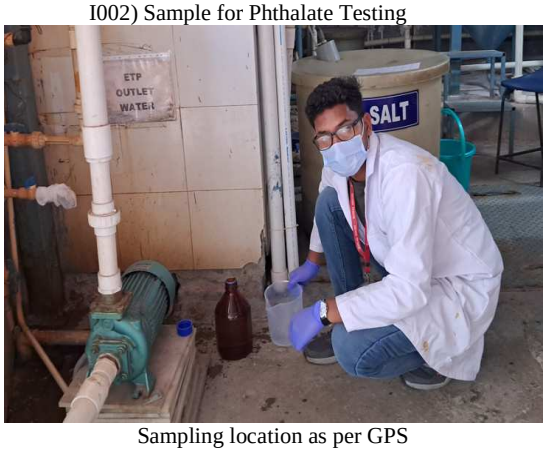
	I001 *(µg/L)*	**I002 *(µg/L)***
2A) APs and APEOs	ND	ND
2B) Chlorobenzenes and Chlorotoluenes	ND	ND
2C) Chlorophenols	ND	ND
2D) Azo Dyes	ND	ND
2E) Carcinogenic Dyes	ND	ND
2F) Disperse Dyes	ND	ND
2G) Flame Retardants	ND	ND
2H) Glycols	ND	ND
2I) Halogenated Solvents	ND	ND
2J) Organotin Compounds	ND	ND
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

APPENDIX A - Photo of the Sample/ Sampling Location

I001) Sampling Point  Sampling location as per GPS (North 28.6138039,East77.3166177)	I001) Sampling Point Surrounding Environment  Sampling location as per GPS (North 28.6138039,East77.3166177)
I001) All sampled bottles with label  Sampling location as per GPS (North 28.6138039,East77.3166177)	I001) pH Value  Sampling location as per GPS (North 28.6138039,East77.3166177)
I001) Sample for Phthalate Testing  Sampling location as per GPS (North 28.6138039,East77.3166177)	I001) Packaging  Sampling location as per GPS (North 28.6138039,East77.3166177)

I002) Sampling Point  Sampling location as per GPS (North 28.6138039,East77.3166177)	I002) Sampling Point Surrounding Environment  Sampling location as per GPS (North 28.6138039,East77.3166177)
I002) pH Value  Sampling location as per GPS (North 28.6138039,East77.3166177)	I002) All sampled bottles with label  Sampling location as per GPS (North 28.6138039,East77.3166177)
I002) Sample for Phthalate Testing  Sampling location as per GPS ((North 28.6138039,East77.3166177)	I002) Packaging  Sampling location as per GPS (North 28.6138039,East77.3166177)

APPENDIX B

Group	Substance (Testing parameter)	CAS No.	Report Limit		Name of the testing method
			Wastewater (ug/L)/(ppb)	Sludge (mg/kg)/(ppm)	
2A. Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers	Nonylphenol NP, mixed isomers	Various (incl. 104-40-5, 11066-49-2, 25154-52-3, 84852-15-3)	5	0.4	NP/OP: ISO 18857-2 (modified dichloromethane extraction) or ASTM D7065 (GC/MS or LC/MS(-MS) OPEO/NPEO: ISO18857-2 or ASTM D7065(LC/MS; GC/MS or LC/MSMS for n=1,2) APEO 1-18
	Octylphenol OP, mixed isomers	Various (incl. 140-66-9, 1806-26-4, 27193-28-8)	5	0.4	
	Octylphenol ethoxylates (OPEO)	Various (incl. 9002-93-1, 9036-19-5, 68987-90-6)	5	0.4	
	Nonylphenol ethoxylates (NPEO)	Various (inc. 9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0)	5	0.4	
2B. Chlorobenzenes and Chlorotoluenes	Monochlorobenzene	108-90-7	0.2	0.2	USEPA 8260B,8270D. Dichloromethane extraction followed by GC/MS
	1,2-Dichlorobenzene	95-50-1	0.2	0.2	
	1,3-Dichlorobenzene	541-73-1	0.2	0.2	
	1,4-Dichlorobenzene	106-46-7	0.2	0.2	
	1,2,3-Trichlorobenzene	87-61-6	0.2	0.2	
	1,2,4-Trichlorobenzene	120-82-1	0.2	0.2	
	1,3,5-Trichlorobenzene	108-70-3	0.2	0.2	
	1,2,3,4-Tetrachlorobenzene	634-66-2	0.2	0.2	
	1,2,3,5-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	
	4-Chlorotoluene	106-43-4	0.2	0.2	
	2,3-Dichlorotoluene	32768-54-0	0.2	0.2	
	2,4-Dichlorotoluene	95-73-8	0.2	0.2	
	2,5-Dichlorotoluene	19398-61-9	0.2	0.2	
	2,6-Dichlorotoluene	118-69-4	0.2	0.2	
	3,4-Dichlorotoluene	95-75-0	0.2	0.2	
	3,5-Dichlorotoluene	25186-47-4	0.2	0.2	
	2,3,4-Trichlorotoluene	7359-72-0	0.2	0.2	
	2,3,6-Trichlorotoluene	2077-46-5	0.2	0.2	
	2,4,5-Trichlorotoluene	6639-30-1	0.2	0.2	
	2,4,6-Trichlorotoluene	23749-65-7	0.2	0.2	
	3,4,5-Trichlorotoluene	21472-86-6	0.2	0.2	
	2,3,4,5-Tetrachlorotoluene	76057-12-0	0.2	0.2	
	2,3,5,6-Tetrachlorotoluene	29733-70-8	0.2	0.2	
	2,3,4,6-Tetrachlorotoluene	875-40-1	0.2	0.2	
	Pentachlorotoluene	877-11-2	0.2	0.2	
2C. Chlorophenols	2-Chlorophenol	95-57-8	0.5	0.05	USEPA 8270 D Solvent extraction, derivatisation with KOH, acetic anhydride
	3-Chlorophenol	108-43-0	0.5	0.05	
	4-Chlorophenol	106-48-9	0.5	0.05	
	2,3-Dichlorophenol	576-24-9	0.5	0.05	

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

Group	Substance (Testing parameter)	CAS No.	Report Limit		Name of the testing method
			Wastewater (ug/L)/(ppb)	Sludge (mg/kg) /(ppm)	
	(malachite green chloride)				
	C.I. Basic Green 4 (malachite green oxalate)	2437-29-8	500	10	
	C.I. Basic Green 4(malachite green)	10309-95-2	500	10	
	Disperse Orange 11	82-28-0	500	10	
2F. Dyes-disperse (sensitizing)	Disperse Yellow 1	119-15-3	50	2	Liquid Extraction LC/MS
	Disperse Blue 102	12222-97-8	50	2	
	Disperse Blue 106	12223-01-7	50	2	
	Disperse Yellow 39	12236-29-2	50	2	
	Disperse Orange 37/59/76	13301-61-6	50	2	
	Disperse Brown 1	23355-64-8	50	2	
	Disperse Orange 1	2581-69-3	50	2	
	Disperse Yellow 3	2832-40-8	50	2	
	Disperse Red 11	2872-48-2	50	2	
	Disperse Red 1	2872-52-8	50	2	
	Disperse Red 17	3179-89-3	50	2	
	Disperse Blue 7	3179-90-6	50	2	
	Disperse Blue 26	3860-63-7	50	2	
	Disperse Yellow 49	54824-37-2	50	2	
	Disperse Blue 35	12222-75-2	50	2	
	Disperse Blue 124	61951-51-7	50	2	
	Disperse Yellow 9	6373-73-5	50	2	
	Disperse Orange 3	730-40-5	50	2	
	Disperse Blue 35	56524-77-7	50	2	
2G. Flame Retardants	Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	5	1	ISO 22032, USEPA527 and USEPA8321B. Dichloromethane extraction GC/MS or LC/MS(-MS)
	Decabromodiphenyl ether (DecaBDE)	1163-19-5	5	1	
	Tris(2,3-dibromopropyl) phosphate (TRIS/TDBPP)	126-72-7	5	1	
	Pentabromodiphenyl ether (PentaBDE)	32534-81-9	5	1	
	Octabromodiphenyl ether (OctaBDE)	32536-52-0	5	1	
	Bis(2,3-dibromopropyl) phosphate (BIS/BDBPP)	5412-25-9	5	1	
	Tris(aziridinyl)-phosphineoxide (TEPA)	545-55-1	5	1	
	Polybromobiphenyls (PBBs)	59536-65-1	5	1	
	Tetrabromobisphenol A (TBBPA)	79-94-7	5	1	
	Hexabromocyclododecane (HBCDD)	3194-55-6	5	1	
	2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	5	1	
	Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	5	1	
	Short chain chlorinated paraffins (SCCPs) (C10-C13)	85535-84-8	5	1	
2H. Glycols	Bis(2-methoxyethyl)-ether	111-96-6	50	10	US EPA 8270 Liquid Extraction
	2-ethoxyethanol	110-80-5	50	10	

Group	Substance (Testing parameter)	CAS No.	Report Limit		Name of the testing method
			Wastewater (ug/L)/(ppb)	Sludge (mg/kg)/(ppm)	
	2-ethoxyethyl acetate	111-15-9	50	10	LC/MS
	Ethylene glycol dimethyl ether	110-71-4	50	10	
	2-methoxyethanol	109-86-4	50	10	
	2-methoxyethylacetate	110-49-6	50	10	
	2-methoxypropylacetate	70657-70-4	50	10	
	Triethylene glycol dimethyl ether	112-49-2	50	10	
2I. Halogenated Solvents	1,2-Dichloroethane	107-06-2	1	2	USEPA 8260B Headspace GC/MS or Purgeand-Trap-GC/MS
	Methylene Chloride	75-09-2	1	2	
	Trichloroethylene	79-01-6	1	2	
	Tetrachloroethylene	127-18-4	1	2	
2J. Organotin Compounds	Mono-, di- and tri-methyltin derivatives	Multiple	0.01	0.2	ISO 17353 Derivatisation with NaB(C2H5) GC/MS
	Mono-, di- and tri-butyltin derivatives	Multiple	0.01	0.2	
	Mono-, di- and tri-phenyltin derivatives	Multiple	0.01	0.2	
	Mono-, di- and tri-octyltin derivatives	Multiple	0.01	0.2	
	Monomethyltin	Multiple	0.01	0.2	
	Dimethyltin	Multiple	0.01	0.2	
	Trimethyltin	Multiple	0.01	0.2	
	Monobutyltin	Multiple	0.01	0.2	
	Dibutyltin	Multiple	0.01	0.2	
	Tributyltin	Multiple	0.01	0.2	
	Monophenyltin	Multiple	0.01	0.2	
	Diphenyltin	Multiple	0.01	0.2	
	Triphenyltin	Multiple	0.01	0.2	
	Monooctyltin	Multiple	0.01	0.2	
	Dioctyltin	Multiple	0.01	0.2	
	Trioctyltin	Multiple	0.01	0.2	
2K. Perfluorinated and Polyfluorinated Chemicals (PFCs)	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.01	0.10	DIN 38407-42 (modified) Ionic PFC: Concentration or direct injection, LC/MS(-MS); Non-ionic PFC (FTOH): derivatisation with acetic anhydride, followed by GC/MS
	Perfluoro-n-octanoic acid (PFOA)	335-67-1	0.01	0.10	
	Perfluorobutanesulfonic acid (PFBS)	29420-49-3, 29420-43-3	0.01	0.10	
	Perfluoro-n-hexanoic acid (PFHxA)	307-24-4	0.01	0.10	
	8:2 FTOH	678-39-7	1	1	
	6:2 FTOH	647-42-7	1	1	
2L. Phthalates (including all other esthers of phthalic acid)	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	10	2	US EPA 8270D, ISO 18856 Dichloromethane extraction GC/MS
	Dimethoxyethyl phthalate (DMEP)	117-82-8	10	2	
	Di-n-octyl phthalate (DNOP)	117-84-0	10	2	
	Di-iso-decyl phthalate (DIDP)	26761-40-0	10	2	
	Di-iso-nonyl phthalate (DINP)	28553-12-0	10	2	
	Di-n-hexyl phthalate (DnHP)	84-75-3	10	2	
	Dibutyl phthalate (DBP)	84-74-2	10	2	

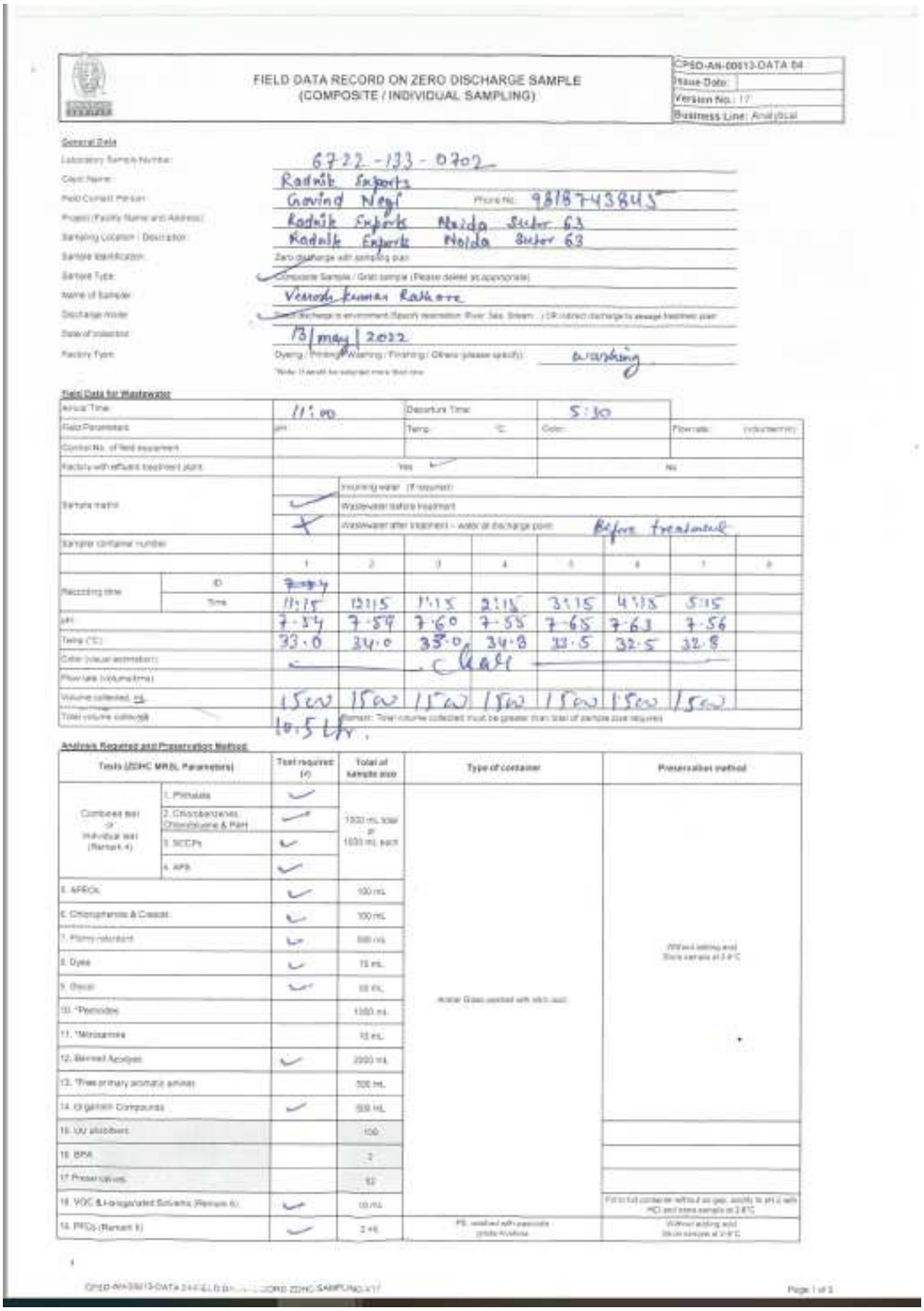
Group	Substance (Testing parameter)	CAS No.	Report Limit		Name of the testing method
			Wastewater (ug/L)/(ppb)	Sludge (mg/kg)/(ppm)	
	Butyl benzyl phthalate (BBP)	85-68-7	10	2	
	Dinonyl phthalate (DNP)	84-76-4	10	2	
	Diethyl phthalate (DEP)	84-66-2	10	2	
	Di-n-propyl phthalate (DPRP)	131-16-8	10	2	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

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

Note / Key :

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

APPENDIX C – Onsite Field Data Record Sheet



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

CPSD-AN-00813-DATA 04
Issue Date:
Version No.: 17
Business Line: Analytical

General Data

Laboratory Sample Number	6722-133-0702
Client Name	Radnik Exports
Field Contact Person	Govind Negi Phone No. 9818743845
Project (Facility Name and Address)	Radnik Exports Noida Sector 63
Sampling Location / Description	Radnik Exports Noida Sector 63
Sample Identification	Zero discharge with sampling port
Sample Type	Composite Sample / Grab sample (Please delete as appropriate)
Name of Sampler	Veerendra Kumar Rathore
Discharge Mode	Direct discharge to environment (Specify destination: River/ Sea/ Stream ...) OR indirect discharge to sewage treatment plant
Date of collection	13/may/2022
Factory Type	Dyeing / Printing / Washing / Finishing / Others (please specify): dyeing

*Note: If sample is collected more than one

Field Data for Wastewater

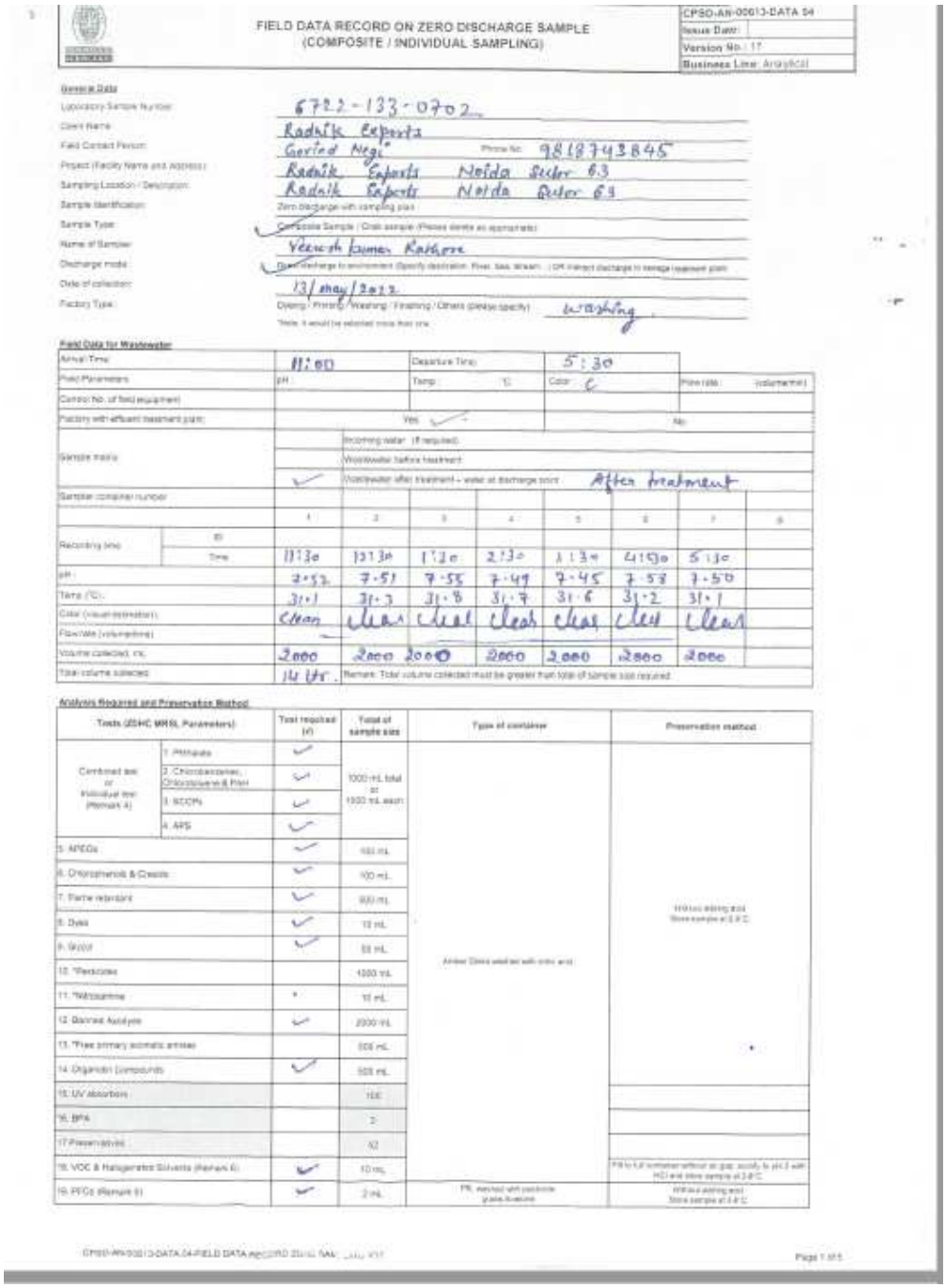
Arrival Time	11:00		Departure Time		5:30			
Field Parameters	pH		Temp. °C		Color		Flowrate (volume/time)	
Contact No. of field equipment								
Factory with effluent treatment plant			Yes ✓			No		
Sample matrix	✓	Incoming water (If required)						
		Wastewater before treatment						
	✗	Wastewater after treatment – water at discharge point				Before treatment		
Sample container number								
	1	2	3	4	5	6	7	8
Recording time – ID	Empty							
Recording time – Time	11:15	13:15	1:15	2:15	3:15	4:15	5:15	
pH	7.54	7.59	7.60	7.55	7.65	7.63	7.56	
Temp (°C)	33.0	34.0	33.0	34.8	33.5	32.5	32.8	
Color (visual estimation)	–			Clear				
Flow rate (volume/time)								
Volume collected, mL	150	150	150	150	150	150	150	
Total volume collected	10.5 Ltr.							

*Remark: Total volume collected must be greater than total of sample size required

Analysis Required and Preservation Method

Tests (ZDHC MRSL Parameters)		Test required (✓)	Total of sample size	Type of container	Preservation method
Combined test or Individual test (Remark 4)	1. Phthalate	✓	1000 mL total or 1000 mL each	Amber Glass washed with nitric acid	Without adding acid Store samples at 2-8°C
	2. Chlorobenzenes, Chlorotoluene & PAH	✓			
	3. SCCPs	✓			
	4. APB	✓			
5. APEOs		✓	100 mL		
6. Chlorophenols & Cresols		✓	100 mL		
7. Flame retardant		✓	500 mL		
8. Dyes		✓	15 mL		
9. Diesel		✓	50 mL		
10. *Pesticides			1000 mL		
11. *Nitrosamines			10 mL		
12. Banned Azodyes		✓	2000 mL		
13. *Free primary aromatic amines			500 mL		
14. Organotin Compounds		✓	500 mL		
15. UV absorbent			100		
16. BPA			2		
17. Preservatives			50		
18. VOC & Halogenated Solvents (Remark 6)		✓	10 mL		Fill to full container without air gap, acidify to pH 2 with HCl and store samples at 2-8°C
19. PFCs (Remark 5)		✓	2 mL	PE, washed with methanol (ZDHC Analysis)	Without adding acid Store samples at 2-8°C

CPSD-AN-00813-DATA 04-FIELD DATA RECORD ZDHC SAMPLING v17 Page 1 of 2



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

CPSO-AN-00613-DATA 04
Issue Date:
Version No.: 17
Business Line: Analytical

General Data

Laboratory Sample Number: 6722-133-0702
Client Name: Radnik Exports
Field Contact Person: Govind Negi Phone No: 9818743845
Project (Facility Name and Address): Radnik Exports Noida Sector 63
Sampling Location / Description: Radnik Exports Noida Sector 63
Sample Identification:
Zero discharge with sampling plan
Sample Type: Composite Sample / Grab sample (Please delete as appropriate)
Name of Sampler: Vinesh Kumar Rathore
Discharge mode: Direct discharge to environment (Specify destination: River, Sea, stream) / Off Indirect discharge to sewage treatment plant
Date of collection: 13/may/2022
Factory Type: Dyeing / Printing / Washing / Finishing / Others (please specify) Washing
*Note: It would be selected more than one

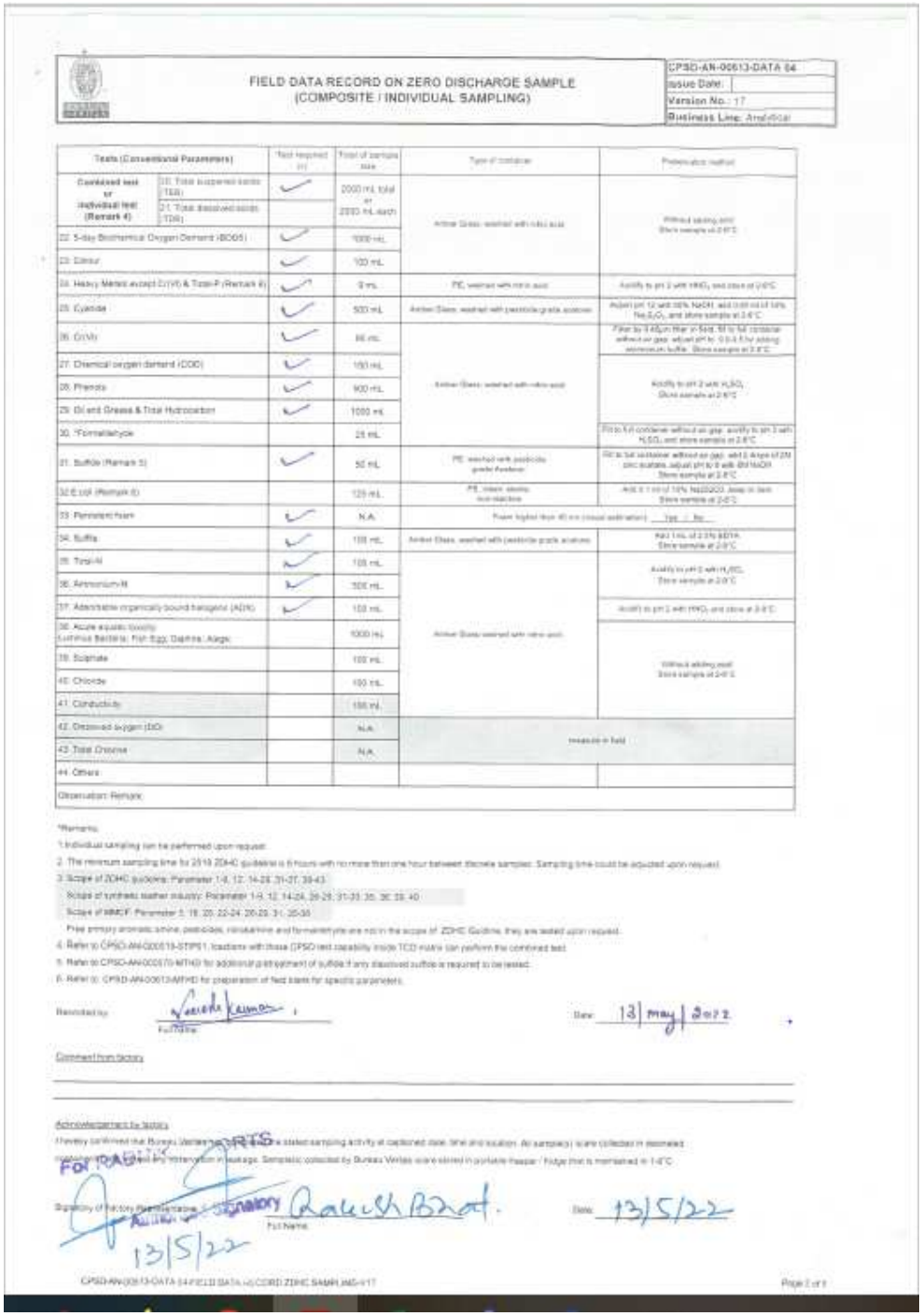
Field Data for Wastewater

Arrival Time	11:00		Departure Time		5:30			
Field Parameters	pH:		Temp: °C		Color: C	Flow rate:	(volumetric)	
Control No. of field equipment								
Factory with effluent treatment plant:			Yes ✓			No:		
Sample matrix		Incoming water (If required)						
		Wastewater before treatment						
	✓	Wastewater after treatment – water at discharge point				After treatment		
Sampler container number								
	1	2	3	4	5	6	7	8
Recording time: ID								
Time	11:30	12:30	1:30	2:30	3:30	4:30	5:30	
pH:	7.52	7.51	7.55	7.49	7.45	7.58	7.50	
Temp (°C):	31.1	31.3	31.8	31.7	31.6	31.2	31.1	
Color (visual estimation):	Clean	Clear	Clear	Clear	Clear	Clear	Clear	
Flow rate (volumetric):								
Volume collected, mL:	2000	2000	2000	2000	2000	2000	2000	
Total volume collected:	14 Ltr.	Remark: Total volume collected must be greater than total of sample size required.						

Analysis Required and Preservation Method

Tests (ZDHC MRSL Parameters)		Test required (✓)	Total of sample size	Type of container	Preservation method
Combined test or Individual test (Remark 4)	1. Phthalate	✓	1000 mL total or 1000 mL each	Amber Glass washed with nitric acid	1ml Conc nitric acid Store sample at 4 ± 2°C
	2. Chlorobenzenes, Chlorotoluene & Pcbs	✓			
	3. SCCPs	✓			
	4. APS	✓			
5. APEOs		✓	100 mL		
6. Chlorophenols & Cresols		✓	100 mL		
7. Flame retardant		✓	500 mL		
8. Dyes		✓	10 mL		
9. Glycol		✓	50 mL		
10. *Pesticides			1000 mL		
11. *Nitrosamine		*	10 mL		
12. Banned Azodyes		✓	2000 mL		
13. *Free primary aromatic amines			500 mL		
14. Organotin compounds		✓	500 mL		
15. UV absorbers			100		
16. BPA			2		
17 Preservatives			50		
18. VOC & Halogenated Solvents (Remark 6)		✓	10 mL		Fill to full container without air gap, acidify to pH 2 with HCl and store sample at 2-8°C
19. PFCs (Remark 5)		✓	2 mL	PE, washed with methanol, glass, fluorinated	Without adding acid Store sample at 2-8°C

CPSO-AN-00613-DATA 04-FIELD DATA RECORD ZERO SAMPLE ... Page 1 of 5



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

CPSD-AN-00613-DATA 04
Issue Date:
Version No.: 17
Business Line: Analytical

Tests (Conventional Parameters)		*Test required (√)	Total of sample size	Type of container	Preservation method
Combined test or individual test (Remark 4)	20. Total suspended solids (TSS)	✓	2000 mL total or 2000 mL each	Amber Glass, washed with nitric acid	Without adding acid Store sample at 2-8°C
	21. Total dissolved solids (TDS)				
22. 5-day Biochemical Oxygen Demand (BOD5)		✓	1000 mL		
23. Colour		✓	100 mL		
24. Heavy Metals except Cr (VI) & Total-P (Remark 6)		✓	0 mL	PE, washed with nitric acid	Acidify to pH 2 with HNO_3, and store at 0-6°C
25. Cyanide		✓	500 mL	Amber Glass, washed with pesticide grade acetone	Adjust pH 12 with 50% NaOH, add 0.6 ml of 10% $Na_2S_2O_3$, and store sample at 2-8°C
26. Cr (VI)		✓	50 mL	Amber Glass, washed with nitric acid	Filter by 0.45µm filter in field, fill to full container without air gap, adjust pH to 6.5-8.5 for strong ammonium buffer. Store sample at 2-8°C
27. Chemical oxygen demand (COD)		✓	100 mL		Acidify to pH 2 with H_2SO_4 Store sample at 2-8°C
28. Phenols		✓	500 mL		
29. Oil and Grease & Total Hydrocarbon		✓	1000 mL		
30. *Formaldehyde			25 mL		Fill to full container without air gap, acidify to pH 3 with H_2SO_4 and store sample at 2-8°C
31. Sulfide (Remark 5)		✓	50 mL	PE, washed with pesticide grade Acetone	Fill to full container without air gap, add 2 drops of 2M zinc acetate, adjust pH to 9 with 6M NaOH Store sample at 2-8°C
32 E.coli (Remark 6)			125 mL	PE, clean, sterile, non-reactive	Add 0.1 ml of 10% $Na_2S_2O_3$ (less in 5ml) Store sample at 2-8°C
33. Persistent foam		✓	N.A.	Foam higher than 40 mm (visual estimation) Yes / No	
34. Sulfite		✓	100 mL	Amber Glass, washed with pesticide grade acetone	Add 1 mL of 2.5% EDTA Store sample at 2-8°C
35. Total-N		✓	100 mL	Amber Glass, washed with nitric acid	Acidify to pH 2 with H_2SO_4 Store sample at 2-8°C
36. Ammonium-N		✓	500 mL		
37. Adsorbable organically bound halogens (AOX)		✓	100 mL		Acidify to pH 2 with HNO_3, and store at 2-8°C
38. Acute aquatic toxicity (Luminous Bacteria, Fish Egg, Daphnia, Alage)			1000 mL		
39. Sulphate			100 mL		Without adding acid Store sample at 2-8°C
40. Chloride			100 mL		
41. Conductivity			100 mL		
42. Dissolved oxygen (DO)			N.A.	measure in field	
43. Total Chlorine			N.A.		
44. Others					
Observation/ Remark:					

*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 1-8, 12, 14-24, 31-37, 39-43
Scope of synthetic leather industry: Parameter 1-9, 12, 14-24, 26-29, 31-33, 35, 36, 39, 40
Scope of MMCF: Parameter 1, 18, 20, 22-24, 26-29, 31, 35-36
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-00613-STEP01, locations with those CPSD test capability inside TCD matrix can perform the combined test.
5. Refer to CPSD-AN-00613-METHD for additional pretreatment of sulfide if any dissolved sulfide is required to be tested.
6. Refer to CPSD-AN-00613-METHD for preparation of field blank for specific parameters.

Reminded by: Sachin Kumar Date: 13/may/2022
Full Name

Comment from factory:

Acknowledgement by factory:
I hereby confirmed that Bureau Veritas has conducted the stated sampling activity at mentioned date, time and location. All sample(s) were collected in appointed location(s) without any intervention in sampling. Sample(s) collected by Bureau Veritas were stored in portable freezer / fridge that is maintained at 1-8°C

FOR RADICO
Signature of Factory Representative: Authorised Signatory Full Name: Rakesh Bhatt. Date: 13/5/22
13/5/22

CPSD-AN-00613-DATA 04 FIELD DATA record ZDHC SAMPLING 417 Page 1 of 1

APPENDIX D – Limitation Value of Legal Requirements

UTTAR PRADESH POLLUTION CONTROL BOARD
Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010
Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.com, Website: www.uppcb.com

CONSENT ORDER

Ref No. -
108277/UPPCB/GreaterNoida(LAB)/CTO/water/
GREATER NOIDA/2020

Dated : 21/12/2020

To ,

Shri VINOD KAPUR
M/s RADNIK EXPORTS
D-201, SECTOR-63, NOIDA, GAUTAM BUDH NAGAR, 201301 (UP)
GREATER NOIDA

Sub : Consent under Section 25/26 of The Water (Prevention and control of Pollution) Act, 1974 (as amended) for discharge of effluent to M/s. RADNIK EXPORTS

Reference Application No :9906568 **Dated :21/12/2020**

1. For disposal of effluent into water body or drain or land under The Water (Prevention and control of Pollution) Act,1974 as amended (here in after referred as the act) M/s. RADNIK EXPORTS is hereby authorized by the board for discharge of their industrial effluent generated through ETP for irrigation/river through drain and disposal of domestic effluent through septic tant/soak pit subject to general and special conditions mentioned in the annexure ,in refrence to their foresaid application .
2. This consent is valid for the period from 01/01/2021 to 31/03/2024 .
3. In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 27(2) of the Water (Previntion and Controt of Pollution) Act, 1974 as amended .

This consent is being issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board

REGIONAL OFFICER
NOIDA
Praveen Kumar

Enclosed : As above
(condition of consent):

Copy to. CHIEF ENVIRONMENTAL OFFICER (CIRCLE-1), U.P. POLLUTION CONTROL BOARD, LUCKNOW.

REGIONAL OFFICER
NOIDA
Praveen Kumar

U.P. POLLUTION CONTROL BOARD, LUCKNOW

Annexure to Consent issued to M/s.RADNIK EXPORTS vide

Consent Order No. 9906568/ Water Dated : 21/12/2020

CONDITIONS OF CONSENT

1. This consent is valid only for the approved production capacity of READYMADE GARMENTS.
2. The quantity of maximum daily effluent discharge should not be more than the following :

Effluent Discharge Details			
S.No	**Kind of Effulant**	**Maximum daily discharge,KL/day**	**Treatment facility and discharge point**
1	Domestic	10 K.L.D. TO TERMINAL S.T.P. THROUGH NOIDA SEWER	STP
2	Industrial	35.0 K.L.D.	ETP

3. Arrangement should be made for collection of water used in process and domestic effluent separately in closed water supply system. The treated domestic and industrial effluent if discharged outside the premises, if meets at the end of final discharge point, arrangement should be made for measurement of effluent and for collecting its sample. Except the effluent informed in the application for consent no other effluent should enter in the said arrangements for collection of effluent. It should also be ensured that domestic effluent should not be discharged in storm water drain .

4(a) The domestic effluent should be treated in treatment plant so that the should be in conformity with the following norms dated treated effluent .

Domestic Effulant		
S.No	**Parameter**	**Standard**
1	Total Suspended Solids	As Per E.P. Act, 1986
2	BOD	As Per E.P. Act, 1986
3	COD	As Per E.P. Act, 1986
4	Oil & Grease	As Per E.P. Act, 1986

4(b). The industrial effluent should be treated in treatment plant so that the treated effluent should be in conformity with the following norms. .

Industrial Effulant		
S.No	**Parameter**	**Standard**
1	Total Suspended Solids	As Per E.P. Act, 1986
2	BOD	As Per E.P. Act, 1986
3	COD	As Per E.P. Act, 1986
4	Oil & Grease	As Per E.P. Act, 1986

5. Effluent generated in all the processes, bleed water, cooling effluent and the effluent generated from washing of floor and equipments etc should be treated before its disposal with treated industrial effluent so that it should be according to the norms prescribed under The Environment (Protection) Act,1986 or otherwise mandatory .
6. The other pollutant for which norms have not been prescribed, the same should not be more than the norms prescribed for the water used in manufacturing process of the industry .
7. The method for collecting industrial and domestic effluent and its analysis should be as per legal Indian standards and its subsequent amendments/standards prescribed under The Environment (Protection) Act, 1986.
8. The treated domestic and industrial effluent be mixed (as per the provisions of Condition No. 2) and disposed of on one disposal point. This common effluent disposal point should have arrangement for flow meter/V Notch for measuring effluent and its log book be maintained .

9. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

Specific Conditions:

1. The unit must comply with U.P. Ground Water Act,2019.
2. It is not allowed to extract Ground Water without prior permission from competent authority. In Case of violation Environmental Compensation will be imposed.
3. Declare your source of water as an undertaking as noida authority water supply is not supposed to be used for Industrial Purpose.
4. Industry shall ensure proper operation and maintenance of Effluent Treatment Plant / Sewage Treatment Plant. Also, independent flow meters, logbook and electric meter should be installed for treatment plants.
5. Industry shall submit quarterly analysis reports of outlet at the installed effluent treatment plant /sewage treatment plant from a NABL accredited laboratory.
6. DYEING/PRINTING/BLEACHING WILL NOT BE ALLOWED IN THE INDUSTRY.
7. Industry shall ensure adequate plantation and green belt within its premises. Green cover shall be in compliance of approved map from concerned Authority.
8. Industry shall comply with Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Waste (Management and Transboundary) Rules, 2016, E-Waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016 (as applicable) notified under Environment (Protection) Act, 1986.
9. Industry shall submit annual returns as per above mentioned rules. Also, Environmental Statement in prescribed form as per Rule 14 of Environment (Protection) Act, 1986.
10. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process/discharge/plant machinery failing which consent would be deemed void.
11. Industry shall make rain water harvesting in the premises as per map approved by concerned Authority. Pre and Post-monsoon maintenance of rain water harvesting pit shall be done annually.
12. Industry shall abide by directions given by Hon'ble Supreme Court, High Court, National Green Tribunal, Central Pollution Control Board and Uttar Pradesh Pollution Control Board for protection and safeguard of environment from time to time.
13. The industry must submit the balance consent fee, if fee slab changes as per balance sheet in subsequent years.
14. Consent order may be revoked if any information filled in the application form is found wrong.

Issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board .

REGIONAL OFFICER
NOIDA

Praveen Kumar