

TEST REPORT

| Technical Report: | (6822)228-0225 | August 29, 2022 |
|---|---|-----------------|
| Date Received: | August 14, 2022 | Page 1 of 24 |
| | | |
| Factory Company Name: Factory Address: Sampling Method: | Amber Denim Mills Limited Jangaliapara, Banglabazar, Razendrapur, Joydebpur, Gazipur, 1 I001) Treated Wastewater – 6 hours Time – weighted Composi I002) Sludge – Grab | |
| Sample Pick Up Date: Wastewater Discharge to: | August 14, 2022 Turag River | |
| On-Site Effluent Treatment Plant (ETP): | Yes | |
| Discharge Type: | Direct Discharge | |
| Off-site ETP name (if applicable): Off-site ETP address (if applicable): | Not Applicable Not Applicable | |
| Local Regulation: / Ordinance / requirements related to wastewater discharged are followed: | Not Applicable | |
| Permit Validation Date: | Not Applicable | |
| Parameters Exceeded Local Regulation | Not Applicable | |
| Legal compliance: | Not Applicable | |
| Conventional Parameters: | Foundational | |
| MRSL Parameters: | Not Detected | |
| Test Period: | August 16, 2022 To August 29, 2022 | |
| Sample Description: | | |
| | 1001) Colorless liquid - Treated Wastewater 1002) Black color mud – Sludge | |
| Parameters exceeded maximum | Not Applicable | |

Bureau Veritas

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holding time:

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(6822)228-0225 August 29, 2022 Page 2 of 24

REMARK

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

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Technical enquiry-Chemical

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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.

MD. RASHEDUL HAQUE DEPUTY SR. MANAGER, RSL OPERATIONS



(6822)228-0225 August 29, 2022 Page 3 of 24

Executive Summary

| 1A) Conventional Parameters | I001 | 1002 |
|--|------|------|
| Temperature | | |
| TSS | | |
| COD | | |
| Total-N | | |
| pH Value | | |
| Color [m ⁻¹] (436nm; 525nm; 620nm) | | |
| BOD ₅ | | NA |
| Ammonium-N | | NA |
| Total-P | | |
| AOX | | |
| Oil and Grease | | |
| Phenol | | |
| Coliform | | |
| Persistent Foam | | |
| ANIONS – Cyanide | | ND |
| ANIONS - Sulfide | | NT A |
| ANIONS - Sulfite | | NA |
| Dry mass (total solids) | NR | NA |
| 1B) Conventional Parameters –METALS | | ND |

| 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 :

- Meet Foundational Limit / Meet discharge license criteria
- - Exceed Foundational Limit / Exceed discharge license criteria
- NR Not Requested / Not required
- D Detected
- ND Not Detected
- NA Not Applicable



(6822)228-0225 August 29, 2022 Page 4 of 24

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) Polycyclic Aromatic Hydrocarbons 2N) Volatile Organic Compounds

Sampling Plan

Two environment samples were sampled per factory, including I001) Discharged Wastewater (Treated wastewater) and I002) 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 refers to ZDHC Wastewater and Sludge Laboratory Sampling and Analysis Plan
- Field data records are attached in Appendix C.



(6822)228-0225 August 29, 2022 Page 5 of 24

Test Result

1A) Conventional Parameters

Temperature

Test Method : Measurement by thermometer

| Tested Item(s) | Result | Unit | Conclusion |
|----------------|-----------------------|--------|------------|
| 1001 | 27.6 (Progressive) | deg. C | DATA |

Note:

deg. C = degree Celsius (°C) Foundational Limit: ▲15 / max. 35°C; Progressive Limit: ▲10 / max. 30°C; Aspirational Limit: ▲5 / max. 25°C

Total Suspended Solids (TSS)

Test Method : Reference to APHA 2540D, GB 11901, ISO 11923

| Tested Item(s) | Result | Unit | Conclusion |
|----------------|---------------------|------|------------|
| I001 | 4 (Aspirational) | mg/L | DATA |

Note:

mg/L = milligram per liter Foundational Limit: 50 mg/L; Progressive Limit: 15 mg/L; Aspirational Limit: 5 mg/L

Chemical Oxygen Demand (COD)

Test Method : Reference to APHA 5220 D

| Tested Item(s) | Result | Unit | Conclusion |
|----------------|---------------------|------|------------|
| I001 | 76 (Progressive) | mg/L | DATA |

Note:

mg/L = milligram per liter

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

Total Nitrogen (Total-N)

Test Method : Reference to APHA 4500- N-C

| Tested Item(s) | Result | Unit | Conclusion |
|----------------|-----------------------|------|------------|
| I001 | 6.73 (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



(6822)228-0225 August 29, 2022 Page 6 of 24

<u>pH Value</u>

Test Method : Reference to EPA 150.2

| - | Unit | Result | |
|--------------------|--------|--|--|
| Test Item(s) | - | I001 | |
| Parameter | - | - | |
| Temp. of sample | deg. C | 23 | |
| pH value of sample | - | 7.8 (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 : Reference to ISO 7887: 2011(E), B

| Tested Item(s) | Result | Unit | Conclusion |
|----------------|--------------------------------|-----------------|------------|
| I001 | 3.2; 1.6; 1.2 (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 |
|----------------|----------------------|------|------------|
| I001 | 21 (Foundational) | mg/L | DATA |

Note:

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

Ammonium Nitrogen

Test Method : Reference to APHA 4500-NH₃ – B & F 22^{nd} Edition 2012

| Tested Item(s) | Result | Unit | Conclusion |
|----------------|------------------------|------|------------|
| I001 | 0.45 (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



(6822)228-0225 August 29, 2022 Page 7 of 24

Total Phosphorus (Total-P)

Test Method : Reference to APHA 22nd Edition -4500-P.E (2012)

| Tested Item(s) | Result | Unit | Conclusion |
|----------------|------------------------|------|------------|
| I001 | 0.75 (Foundational) | 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 |
|----------------|----------------------|------|------------|
| 1001 | 0.8 (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 EPA 1664B, APHA-5520 B and F

| Tested Item(s) | Result | Unit | Conclusion |
|----------------|----------------------|------|------------|
| I001 | 1.8 (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 : Reference to APHA 5530 C

| Tested Item(s) | Result | Unit | Conclusion |
|----------------|-------------------------|------|------------|
| I001 | 0.001 (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



(6822)228-0225 August 29, 2022 Page 8 of 24

<u>Coliform</u>

Test Method : Reference to ISO 9308-1: 2014

| I | Tested Item(s) | Result | Unit | Conclusion |
|---|----------------|---------------------|----------------------|------------|
| | I001 | 78 (Progressive) | 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;

Persistent Foam

Test Method : Visual

| Tested Item(s) | Result | Unit | Conclusion |
|----------------|--|------|------------|
| I001 | No Foam (Comply with ZDHC WWG requirements) | - | DATA |

ANIONS - Cyanide

Test Method

: Reference to APHA 22nd Edition-4500-CN. C&E (2012), EPA 9010C, 9013 & 9014 (Wastewater & sludge)

| Tested Item(s) | Result | Unit | Conclusion |
|----------------|----------------------|-------|------------|
| I001 | ND (Aspirational) | mg/L | DATA |
| I002 | ND | mg/kg | 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 |
|----------------|------------------------|------|------------|
| I001 | <0.1 (Foundational) | 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



(6822)228-0225 August 29, 2022 Page 9 of 24

ANIONS - Sulfite

Test Method : Reference to EPA 377.1, APHA 4500-SO₃²⁻ (2012)

| Tested Item(s) | Result | Unit | Conclusion |
|----------------|-----------------------|------|------------|
| I001 | 1.0 (Foundational) | 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

Dry mass (total solids)

Test Method : Reference to US EPA 160.3

| Tested Item(s) | Result | Unit | Conclusion |
|----------------|--------|------|------------|
| 1002 | 5.69 | g | DATA |



(6822)228-0225 August 29, 2022 Page 10 of 24

1B) Conventional Parameters – METALS

| Parameter | I001 (mg/L) | I002 (mg/kg) |
|---|-------------------------|--------------|
| Antimony (Sb) | | |
| Direct Discharge Limit: Foundational 0.1 mg/L; Progressive 0.05 mg/L; Aspirational 0.01 mg/L | ND (Aspirational) | |
| Chromium (Cr), total | | |
| Direct Discharge Limit: Foundational 0.2 mg/L; Progressive 0.1 mg/L; Aspirational 0.05 mg/L | 0.005 (Aspirational) | |
| Cobalt (Co) | | |
| Direct Discharge Limit: Foundational 0.05 mg/L; Progressive 0.02 mg/L; Aspirational 0.01 mg/L | ND (Aspirational) | NR |
| Copper (Cu) | | |
| Direct Discharge Limit: Foundational 1 mg/L; Progressive 0.5 mg/L; Aspirational 0.25 mg/L Nickel (Ni) | ND (Aspirational) | |
| | | |
| Direct Discharge Limit: Foundational 0.2 mg/L; Progressive 0.1 mg/L; Aspirational 0.05 mg/L | ND (Aspirational) | |
| Silver (Ag) | | |
| Direct Discharge Limit: Foundational 0.1 mg/L; Progressive 0.05 mg/L; Aspirational 0.005 mg/L | ND (Aspirational) | |
| Zinc (Zn) | | |
| Direct Discharge Limit: Foundational 5 mg/L; Progressive 1 mg/L; Aspirational 0.5 mg/L | ND (Aspirational) | |
| Arsenic (As) | | |
| Direct Discharge Limit: Foundational 0.05 mg/L; Progressive 0.01 mg/L; Aspirational 0.005 mg/L Sludge Limit: 2 mg/kg | ND (Aspirational) | ND |
| Cadmium (Cd) | | |
| Direct Discharge Limit: Foundational 0.1 mg/L; Progressive 0.05 mg/L; Aspirational 0.01 mg/L Sludge Limit: 2 mg/kg | ND (Aspirational) | ND |



(6822)228-0225 August 29, 2022 Page 11 of 24

| Parameter | I001 (mg/L) | I002 (mg/kg) |
|--|----------------------|--------------|
| Chromium VI (CrVI) Direct Discharge Limit: Foundational 0.05 mg/L; Progressive 0.005 mg/L; Aspirational 0.001 mg/L Sludge Limit: 2 mg/kg | ND (Aspirational) | ND |
| Lead (Pb) Direct Discharge Limit: Foundational 0.1 mg/L; Progressive 0.05 mg/L; Aspirational 0.01 mg/L Sludge Limit: 2 mg/kg | ND (Aspirational) | ND |
| Mercury (Hg) Direct Discharge Limit: Foundational 0.01 mg/L; Progressive 0.005 mg/L; Aspirational 0.001 mg/L Sludge Limit: 2 mg/kg | ND (Aspirational) | ND |



(6822)228-0225 August 29, 2022 Page 12 of 24

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 |
| 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) Polycyclic Aromatic Hydrocarbons | ND | ND |
| 2N) Volatile Organic Compounds | ND | ND |

Remark :

- Test method, reporting limit and list of chemical are summarized in Appendix B.
- ND = Not detected (Please refer to reporting limit shown in Appendix B).



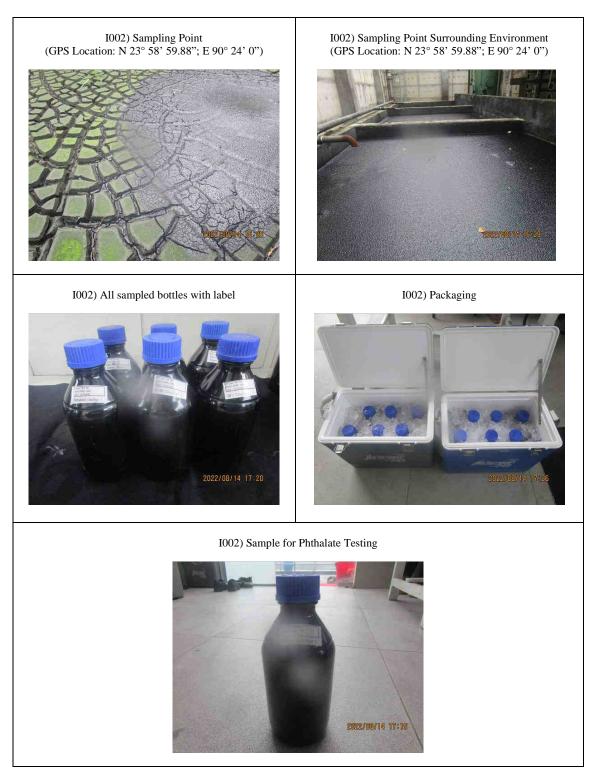
(6822)228-0225 August 29, 2022 Page 13 of 24

APPENDIX A - Photo of the Sample/ Sampling Location





(6822)228-0225 August 29, 2022 Page 14 of 24



APPENDIX A - Photo of the Sample/ Sampling Location

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(6822)228-0225 August 29, 2022 Page 15 of 24

APPENDIX B

| | Calation (Trading | | Report l | Limit | No Cale a section |
|---|-----------------------------------|--|----------------------|-------------------|--|
| Group | Substance (Testing parameter) | CAS No. | Wastewater (ug/L) | Sludge (mg/kg) | 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 | |
| | 2-Chlorophenol | 95-57-8 | 0.5 | 0.05 | USEPA 8270 D |
| 2C. Chlorophenols | 3-Chlorophenol | 108-43-0 | 0.5 | 0.05 | Solvent extraction, |
| 2C. Chlorophenois | 4-Chlorophenol | 106-48-9 | 0.5 | 0.05 | derivatisation with |
| | 2,3-Dichlorophenol | 576-24-9 | 0.5 | 0.05 | KOH, acetic anhydride |

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(6822)228-0225 August 29, 2022

Page 16 of 24

| | | Re | | Limit | | |
|---------------------------------------|--|------------|----------------------|-------------------|---------------------------------------|--|
| Group | Substance (Testing parameter) | CAS No. | Wastewater (ug/L) | Sludge (mg/kg) | Name of the testing method | |
| | 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 | - | |
| | 4-Methoxy-m- phenylenediamine | 615-05-4 | 0.1 | 0.2 | EN 14362. | |
| 2D. Dyes - Azo (Forming Restricted | 4,4`-Methylene-di-o- | 838-88-0 | 0.1 | 0.2 | Reduction step with Sodiumdithionite, | |
| Amines) | toluidine | 07 (0 7 | 0.1 | 0.0 | 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 | | |
| | 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 4-Chloro-o-toluidine | 95-68-1 | 0.1 | 0.2 | - | |
| | | 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 | 4 | |
| | 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 | 4 | |
| | C.I. Acid Red 26 | 3761-53-3 | 500 | 10 | 4 | |
| | C.I. Basic Red 9 | 569-61-9 | 500 | 10 | 4 | |
| 2E. Dyes- | C.I. Direct Red 28 | 573-58-0 | 500 | 10 | | |
| Carcionogenic or | C.I. Basic Violet 14 | 632-99-5 | 500 | 10 | Liquid Extraction | |
| Equivalent Concern | C.I. Disperse Blue 1 | 2475-45-8 | 500 | 10 | LC/MS | |
| | C.I. Disperse Blue 3 | 2475-46-9 | 500 | 10 | 4 | |
| | C.I. Basic Blue 26 (with Michler's Ketone > 0.1%) | 2580-56-5 | 500 | 10 | | |
| | C.I. Basic Green 4 (malachite green chloride) | 569-64-2 | 500 | 10 | | |

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(6822)228-0225 August 29, 2022 Page 17 of 24

Report Limit Substance (Testing Name of the testing CAS No. Sludge C.I. Basic Green 4 10 2437-29-8 500 (malachite green oxalate) C.I. Basic Green 10 10309-95-2 500 4(malachite green) 500 Disperse Orange 11 82-28-0 10 119-15-3 Disperse Yellow 1 50 2 2 Disperse Blue 102 12222-97-8 50 Disperse Blue 106 12223-01-7 2 50 Disperse Yellow 39 12236-29-2 50 2 2 Disperse Orange 37/59/76 13301-61-6 50 Disperse Brown 1 23355-64-8 50 2 50 2 Disperse Orange 1 2581-69-3 50 2 Disperse Yellow 3 2832-40-8 2 Disperse Red 11 2872-48-2 50 2F. Dyes-disperse Liquid Extraction 2 Disperse Red 1 2872-52-8 50 (sensitizing) LC/MS 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 2 Disperse Blue 35 12222-75-2 50 Disperse Blue 124 61951-51-7 50 2 Disperse Yellow 9 50 2 6373-73-5 Disperse Orange 3 730-40-5 50 2 Disperse Blue 35 56524-77-7 2 50 Tris(2-chloroethyl) 115-96-8 5 1 phosphate (TCEP) Decabromodiphenyl ether 1163-19-5 5 1 (DecaBDE) Tris(2,3-dibromopropyl) 126-72-7 5 1 phosphate (TRIS/TDBPP) Pentabromodiphenyl ether 5 32534-81-9 1 (PentaBDE) Octabromodiphenyl ether 32536-52-0 5 1 (OctaBDE) Bis(2,3-dibromopropyl) 1 5 5412-25-9 phosphate (BIS/BDBPP) ISO 22032, USEPA527 Tris(aziridinyl)-5 1 545-55-1 and USEPA8321B. 2G. Flame phosphineoxide (TEPA) Dichloromethane Retardants Polybromobiphenyls 5 1 extraction GC/MS or 59536-65-1 (PBBs) LC/MS(-MS) Tetrabromobisphenol A 1 79-94-7 5 (TBBPA) Hexabromocyclododecane 5 1 3194-55-6 (HBCDD) 2,2-Bis(bromomethyl)-1,3-3296-90-0 5 1 propanediol (BBMP) Tris(1,3-dichloroisopropyl) phosphate 13674-87-8 5 1 (TDCP) Short chain chlorinated paraffins (SCCPs) (C10-85535-84-8 5 1 C13) Bis(2-methoxyethyl)-ether 111-96-6 50 10 110-80-5 50 10 US EPA 8270 2-ethoxyethanol 2H. Glycols 2-ethoxyethyl acetate 111-15-9 10 Liquid Extraction 50 Ethylene glycol dimethyl LC/MS 110-71-4 50 10

ether

The content of this PDF file is in accordance with the original issued reports for reference only.



(6822)228-0225 August 29, 2022

Page 18 of 24

| | Substance (Testing | | Report l | Limit | Nome of the testing | | |
|---|---|------------|----------------------|-------------------|--|--|--|
| Group | Substance (Testing parameter) | CAS No. | Wastewater (ug/L) | Sludge (mg/kg) | Name of the testing method | | |
| | 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 | | | |
| | 1,2-Dichloroethane | 107-06-2 | 1 | 2 | USEPA 8260B | | |
| 2I. Halogenated | Methylene Chloride | 75-09-2 | 1 | 2 | Headspace GC/MS or | | |
| Solvents | Trichloroethylene | 79-01-6 | 1 | 2 | Purgeand-Trap-GC/MS | | |
| | Tetrachloroethylene | 127-18-4 | 1 | 2 | - 8 · · · · · · · · · · · | | |
| | Mono-, di- and tri- methyltin derivatives | Multiple | 0.01 | 0.2 | | | |
| 2J. Organotin | Mono-, di- and tri-butyltin derivatives | Multiple | 0.01 | 0.2 | ISO 17353 | | |
| Compounds | Mono-, di- and tri-phenyltin derivatives | Multiple | 0.01 | 0.2 | Derivatisation with NaB(C2H5) GC/MS | | |
| | Mono-, di- and tri-octyltin derivatives | Multiple | 0.01 | 0.2 | | | |
| 2K. Perfluorinated and Polyfluorinated Chemicals (PFCs)Perfluoro-n-octanoic acid (PFOA)1763-23-10.010.10DIN 1 (mod Ionic 29420-49-3, 29420- 43-32K. Perfluorinated and Polyfluorinated Chemicals (PFCs)Perfluoro-n-octanoic acid (PFBS)335-67-10.010.10DIN 1 (mod Ionic Conc inject Non- | DIN 38407-42 | | | | | | |
| | Perfluoro-n-octanoic acid | 335-67-1 | 0.01 | 0.10 | (modified) Ionic PFC: | | |
| | Perfluorobutanesulfonic | , | 0.01 | 0.10 | Concentration or direct injection, LC/MS(-MS); | | |
| | Perfluoro-n-hexanoic acid | | 0.01 | 0.10 | Non-ionic PFC (FTOH): derivatisation | | |
| | 8:2 FTOH | 678-39-7 | 1 | 1 | with acetic anhydride, | | |
| | 6:2 FTOH | 647-42-7 | 1 | 1 | followed by GC/MS | | |
| | 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 | | | |
| | 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 | | | |
| 2L. Phthalates (including all other | Butyl benzyl phthalate (BBP) | 85-68-7 | 10 | 2 | US EPA 8270D, ISO 18856 | | |
| esters of phthalic | Dinonyl phthalate (DNP) | 84-76-4 | 10 | 2 | Dichloromethane | | |
| acid) | Diethyl phthalate (DEP) | 84-66-2 | 10 | 2 | extraction GC/MS | | |
| | Di-n-propyl phthalate (DPRP) | 131-16-8 | 10 | 2 | | | |
| | Di-iso-butyl phthalate (DIBP) | 84-69-5 | 10 | 2 | 1 | | |
| | 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 | 71888-89-6 | 10 | 2 | | | |

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(6822)228-0225 August 29, 2022

Page 19 of 24

| | Substance (Testing | | Report | Limit | Name of the testing | |
|--|---------------------------------------|---|-------------|---------|-------------------------|--|
| Group | parameter) | CAS No. | Wastewater | Sludge | | |
| | parameter) | | (ug/L) | (mg/kg) | memoa | |
| | acid, di-C6-8-branched | | | | | |
| | alkyl esters, C7-rich | | | | | |
| | (DIHP) | | | | | |
| | | | - | | | |
| | Anthracene | | - | | - | |
| | Pyrene | | | | - | |
| | | | - | | - | |
| | | | - | | - | |
| | | | | | | |
| | | | | | - 1 | |
| 2M. PolycyclicBenzo[b]fluoranthene205-99-210.2AromaticFluoranthene206-44-010.2 | DIN 38407-39 | | | | | |
| | Solvent extraction | | | | | |
| | | | - | | GC/MS | |
| (PAHS) | * * | | - | | - 1 | |
| | | | - | | - | |
| | | | | | | |
| | | | - | | - | |
| | | | - | | - | |
| | | | | | | |
| Fluorene 86-7 Naphthalene 91-7 Benzene 71-4 | | - | | - | | |
| | * | | | | | |
| ON Valatila | | | - | | 150 11422 1 | |
| | | | | | | |
| 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 Senzene 71-43-2 1 2 Volatile Xylene 1330-20-7 1 2 o-cresol 95-48-7 1 2 Headspac p-cresol 106-44-5 1 2 and-Trap- m-cresol 108-39-4 1 2 X/A | | | | | | |
| (VOCS) | 1 | | | | and-frap-OC/MS | |
| | m-cresol 108-39-4 1 2 | | | | | |
| | | | | | | |
| | COD | | | | | |
| | Total-N | | | | | |
| | pH | | | | | |
| | 1 | | 10/1 | | | |
| | 525nm; 620nm) | - | N/A | N/A | | |
| | BOD5 | _ | N/A | N/A | | |
| | Ammonium-N | _ | | | | |
| | Total-P | _ | | | | |
| 1A. Conventional | AoX | _ | | | | |
| Parameters | Oil and Grease | - | | | | |
| | Phenol | - | | | Aspirational). | |
| | Coliform(bacteria/100ml) | - | N/A | | | |
| | · · · · · · · · · · · · · · · · · · · | | NT | Not | Cyanide: With | |
| | Persistent Foam | - | Not visible | visible | | |
| | ANIONS | | | | | |
| | Cyanide(CN-) | Various (incl. 57-12- | 0.02 | 1 | | |
| | Sulfide | | N/A | N/A | ' | |
| | Sulfite | | | | | |
| | Antimony(Sb) | | | | Various | |
| | Chromium(Cr), total | | | | | |
| | Cobalt(Co) | | | | C | |
| 1B. Conventional | Copper(Cu) | | | | ici anarysis | |
| Parameters - | Nickel (Ni) | Interform Interform Interform Interform di-C6-8-branched exters, C7-rich P 50-32-8 1 0.2 olapyrene (BaP) 50-32-8 1 0.2 racene (BaP) 191-24-2 1 0.2 olgbipperylene 191-24-2 1 0.2 olgbipperylene 191-24-2 1 0.2 olgbipperylene 193-39-5 1 0.2 olgbipperylene 205-82-3 1 0.2 oljfluoranthene 205-90-2 1 0.2 olphilynea 208-96-8 1 0.2 sambene 206-44-0 1 0.2 aphthylene 33-32-9 1 0.2 aphthene 83-32-9 1 0.2 and thene 91-20-3 1 0.2 and thene 91-20-3 1 2 sol 95-48-7 1 2 sol 106-44-5 1 2 sol 95-48-7 1 2 | | | | |
| METALS | Silver (Ag) | 7440-02-0 | 0.001 | N/A | Wastewater Guidelines | |
| | Zinc(Zn) | 7440-66-6 | 0.001 | N/A | for more details on the | |
| | Arsenic (As) | 7440-38-2 | 0.001 | 2 | testing method and the | |
| | Cadmium(Cd) | 7440-43-9 | 0.0001 | 2 | levels (Foundational, | |
| | | | 0.0001 | | | |

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(6822)228-0225 August 29, 2022

Page 20 of 24

| Group | Substance (Testing parameter) | CAS No. | Report I Wastewater (ug/L) | Limit Sludge (mg/kg) | Name of the testing method |
|-------------------------------|-------------------------------|------------|----------------------------------|----------------------------|--|
| | Chromium VI(CrVI) | 18540-29-9 | 0.001 | 2 | 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 :

U. S. EPA = United States Environmental Protection Agency APHA = American Public Health Association

Remark: The report [(6822)228-0225] was sub-contracted to India (Testtex India Laboratories Pvt. Ltd) for Coliform, Total-N & AOX Tests.



(6822)228-0225 August 29, 2022 Page 21 of 24

APPENDIX C – Onsite Field Data Record Sheet

| 1.4128.1 | | FIELD DA | TA RECOR | ON TEN | Augo | | | 0130- | AN-00613-DATA 04 | |
|---|--|--|---|-------------------------------------|------------------------------------|---------------------------------------|---|---------------------------------------|---------------------|--|
| CLUBING STREET | | (C | OMPOSITE | / INDIVIDU/ | DISCHARG | E SAMPLE IG) | | lssue D | | |
| <u>General Data</u> | | | Cier | ~ ~ ~ ~ | | | | | ss Line: Analytical | |
| Laboratory Samp Client Name; | ole Number: | a | 682 | -)22 | 80% | 25 | | | | |
| Field Contact Per | rson: | Gan | | | | | | ····· | | |
| | ame and Address): | Am | bon D | 100 | | | | | | |
| Sampling Locatio | | E | Sayed Nundlam Phone No: 01766-695450 Amben Renim Mills Itd. Banglabetan, Kazen ETP - Olef Cof | | | | | | | |
| Sample Identificat | tion: | Zero discha | arge with samplin | | | · · · · · · · · · · · · · · · · · · · | 0 | _ | | |
| Sample Type: | | | | | lete as appropria | 4.01 | а | | | |
| Name of Sampler | | A | stagi | | Ahma | | | · · · · · | | |
| Discharge mode: Date of collection: | | Direct dischar | ge to environment (| (Specify destination: | Biller, Sea, Stream |) OR Indirect di | scharge to sewage be | | -6- | |
| Factory Type: | | | 00· 2 | | | | | raunent plant | Turag Ri | |
| | | Note: It would | nting / Washing / I be selected more (| Finishing / Other than one | s (please specify) | · | | · · · · · · · · · · · · · · · · · · · | ` U | |
| Field Data for Was Arrival Time: | stewater | 11.0 | | · · · · · · · · · | | | | | | |
| Field Parameters | | PH: 7 | and the second se | Departure Til | | | 40 | | | |
| Control No. of field | | <u> </u> | 0 | Temp: 21 | 5'8 °c | Color : Co | ion less | Flow rate : | 34 (Splume/min) | |
| Factory with effluen | t Ireatment plant; | | V | Yes | | | | | | |
| | | | Incoming wat | er (If required) | | 1 | | No | | |
| Sample matrix: | | | | efore treatment | | · · · · · · | | | | |
| Sampler container n | | ~ | | | vater at discharge | e point | | | | |
| Container n | umper | 24 | 24 | 24 | 24 | 24 | 24 | 1 | | |
| | ID | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| Recording time | Time | 11.00 | 10.00 | | | | | | | |
| рН : | | 11:30 | 12:30 | 13:30 | | 15.30 | 14.30 | | | |
| Temp (°C) : | | 25.8 | 27.2 | 7.3 | 7.3 | 7.1 | 7.3 | | + | |
| Color (visual estimation): | | Colon les | | 27.00 | 29.5 | 203.2 | 272 | | | |
| | | | | | | | | | | |
| Flow rate (volume/tim | | 34.50 | | | (Slonless | Colon less | | | | |
| Flow rate (volume/tim Volume collected, mL | | 34.50 | 35.80 | 35.18 | 36.2 | 37.5 | 35.2 | | | |
| Flow rate (volume/tim | | 34.50 | 35.80 | 3518 | 36.2 | 37.5 | 35.2 | | | |
| Flow rate (volume/tim Volume collected, mL Total volume collected | d | 34.50 | 35.80 | 3518 | 36.2 | 37-5 167 NZ 9 | 35.2 147.12.4 npie size required | | | |
| Flow rate (volume/tim Volume collected, mL Total volume collected Analysis Reguired an | | 34.50 | 35:80 147724 Remark: Total y Total of | 3518 167729 volume collected | 36.2 H7A24 must be greater t | 37-5 167 N2 9 han total of san | 35.2 167.82.4 nple size required | | | |
| Flow rate (volume/tim Volume collected, mL Total volume collecter Aneivsis Required ar Tests (ZDHC | d ond Proservation Method C MRSL Parameters) | 34.50 167224 | 35:80 167724 Remark: Total | 3518 167729 volume collected | 36.2 | 37-5 167 N2 9 han total of san | 35.2 167.82.4 nple size required | Servation met | hod | |
| Flow rate (volume/tim Volume collected, mL Total volume collected Ansivsis Required ar Tests (ZDHC Combined test or | d C MRSL Parameters) 1. Phihajate 2. Critorobanzanes | 34.50 167,224 Test required (V) | 3 F 180 147 N 2 4 Remark: Total v Total of sample size | 3518 167729 volume collected | 36.2 H7A24 must be greater t | 37-5 167 N2 9 han total of san | 35.2 167.82.4 nple size required | Servation met | hed | |
| Flow rate (volume/lim Volume collected, mL Total volume collected Analysis Required ar Tests (ZDHC Combined test | d ond Proservation Method C MRSL Parameters) | 34.50 167,224 Test required (V) | 3 Fr 180 147 N 2 4 Remark: Total 1 Total of sample size | 3518 167729 volume collected | 36.2 H7A24 must be greater t | 37-5 167 N2 9 han total of san | 35.2 167.82.4 nple size required | servation met | hod | |
| Flow rate (volume/tim Volume collected, mL Total volume collected Analysis Required ar Tests (ZDHC Combined test or Individual test | d Def Preservation Method D MRSL Parameters) 1. Phinalate 2. Chicrobanzenes, Chicrobanzenes, | 34.50 167,224 Test required (V) | 3 Fr 180 147 N 2 4 Remark: Total v Total of sample size | 3518 167729 volume collected | 36.2 H7A24 must be greater t | 37-5 167 N2 9 han total of san | 35.2 167.82.4 nple size required | Servation met | hod | |
| Flow rate (volume/tim Volume collacted, mL Total volume collacted Anaives Required an Tests (ZDHC Combined test or Individual test (Remark 4) | d ad <u>Preservation Method</u> 2 MRSL Parameters) 1. Phthalate 2. Chicobansens, <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Chicrobansens,</u> <u>Ch</u> | 34.50 167,224 Test required (V) | 75 F '80 1477 2 4 Remark: Total v Total of sample size | 3518 167729 volume collected | 36.2 H7A24 must be greater t | 37-5 167 N2 9 han total of san | 35.2 167.82.4 nple size required | Servation met | hod | |
| Flow rate (volume /lim Volume collacted, mL Total volume collacted, mL Answeis Required an Tests (ZDHC Combined test of Individual test (Remark 4) 5. APEOs | d nd Preservation Method C MRSL Parameters) 1. Phthalate 2. Chicotobarzenes, Ch | 34.50 167,224 Test required (V) | 7 F '80 147 N 2 4 Remark: Total v Total of sample size 1000 mL total or 1000 mL each | 3518 167729 volume collected | 36.2 H7A24 must be greater t | 37-5 167 N2 9 han total of san | 35.2 167.82.4 nple size required | servation met | hod | |
| Flow rate (volume /lim Volume collacted, mL Total volume collacted, mL Anaivelis Resultred ar Tests (ZDHC Combined test or Individual test (Remark 4) 5. APEOs 5. Chlorophanols & Cre | d nd Preservation Method C MRSL Parameters) 1. Phthalate 2. Chicotobarzenes, Ch | Test required (V) | 75 F '80 1477 2 4 Remark: Total v Total of sample size | 3518 167729 volume collected | 36.2 H7A24 must be greater t | 37-5 167 N2 9 han total of san | 35.2 167.82.4 nple size required | servation met | hod | |
| Flow rate (volume /ilm Volume collocted, mL Total volume collocted Analysis Reaulized an Tests (ZOHC Combined test or Individual test (Remark 4) 5. APEOs 5. APEOs 5. APEOs 6. Flame retardant | d nd Preservation Method C MRSL Parameters) 1. Phthalate 2. Chicotobarzenes, Ch | 34.50 167,224 Test required (V) | 7 F '80 147 N 2 4 Remark: Total v Total of sample size 1000 mL total or 1000 mL each | 3518 167729 volume collected | 36.2 H7A24 must be greater t | 37-5 167 N2 9 han total of san | 35.2 1-37X24 Inple size required | | | |
| Flow rate (volume /ilm Volume collected, mL Total volume collected, mL Total volume collected Tests (ZOHC Combined test or Individual test (Remark 4) 5. APEOs 8. Chlorophanols & Cre- Flame retardant Dyes | d nd Preservation Method C MRSL Parameters) 1. Phthalate 2. Chicotobarzenes, Ch | Test required (V) | Control of Sample size 1000 mL total 1000 mL total 1000 mL total 1000 mL total | 3518 167729 volume collected | 36.2 H7A24 must be greater t | 37-5 167 N2 9 han total of san | 35.2 147X24 pple size required Pres | Servation met | | |
| Flow rate (volume /ilm Volume collected, mL Total volume collected, mL Total volume collected Tests (ZDHC Combined test or Individual test (Remark 4) 5. APEOS 5. APEOS 5. APEOS 6. Flame retardant Dyes Glycol | d nd Preservation Method C MRSL Parameters) 1. Phthalate 2. Chicotobarzenes, Ch | 84:50 123724 Test required (n) V V V V V V V V V V V V V V V V V V V | 子 デ 30 1 (子 和 2 4) Remuck: Total Total of ample size 1000 mL total 000 mL 100 mL 100 mL 100 mL 500 mL | 35, 8 147N2 1 volume colected | 36.2 HGA24 must be greater t | 37-5 167 m2 5 han total of sam | 35.2 147X24 pple size required Pres | hold adding see | | |
| Flow rate (volume /ilm Volume collected, mL Total volume collected, mL Total volume collected Tests (ZOHC Combined test or Individual test (Remark 4) 5. APEOS 6. Flame retardant Dyes Glycol 0. "Pesticides | d nd Preservation Method C MRSL Parameters) 1. Phthalate 2. Chicotobarzenes, Ch | 84.50 167.824 Tast required (n) V X | 3 5 100 127 12 4 Remuck: Total 7 6 Total of earnple size 1000 mL total 0 1000 mL total 0 7 1000 mL 1000 mL 600 mL 600 mL 1000 mL 1000 mL 100 mL 1000 mL 1000 mL | 35, 8 147N2 1 volume colected | 36.2 H7A24 must be greater t | 37-5 167 m2 5 han total of sam | 35.2 147X24 pple size required Pres | hold adding see | | |
| Flow rate (volume/tim Volume collacted, mL Total volume collacted Analysis Required ar Tests (ZDHC Combined test or Individual test (Remark 4) 5. APEOs 5. Chlorophanots & Cre 7. Flame retardant 8. Dyes 9. Glycol 0. "Pesticides 1. "Nitrosamine | d nd Preservation Method C MRSL Parameters) 1. Phthalate 2. Chicotobarzenes, Ch | X X X X X X X X X X X X X X X X X X X | 3 5 100 1247 M 2 4 Remuck: Total Remuck: Total 0 1000 mL total 000 mL total 0 1000 mL 1000 mL 0 1000 mL 1000 mL 0 1000 mL 1000 mL 0 1000 mL 500 mL 0 100 mL 500 mL 0 0 10 mL 500 mL 0 | 35, 8 147N2 1 volume colected | 36.2 HGA24 must be greater t | 37-5 167 m2 5 han total of sam | 35.2 147X24 pple size required Pres | hold adding see | | |
| Flow rate (volume/tim Volume collacted, mL Total volume collacted Analysis Required ar Tests (ZDHC Combined test or Individual test (Remark 4) 5. APEOS 5. Chlorophanols & Cre 7. Flame retardant 8. Dyes 0. Glycol 0. 'Pesticides 1. 'Nitrosamine 2. Banned Azodyes | d d d Pressrvation Method MRSL Parameters) 1. Phinaiale 2. Chiotoburne & PAH 3. SCCPs 4. APS sols | 3 4 ⋅ 50 12 A ⋅ 50 12 A ⋅ 50 14 ⋅ 50 10 - 10 | 2 Fr '30 147782 4 Remark: Total 7 1000 mL total or 1000 mL total 000 mL 1000 mL 100 mL 1000 mL 500 mL 100 mL 50 mL 100 mL 50 mL | 35, 8 147N2 1 volume colected | 36.2 HGA24 must be greater t | 37-5 167 m2 5 han total of sam | 35.2 147X24 pple size required Pres | hold adding see | | |
| Flow rate (volume/tim Volume collacted, mL Total volume collacted Analysis Required ar Tests (ZDHC Combined test or Individual test (Remark 4) 5. APEOS 5. Chlorophanols & Cre 7. Flame retardant 8. Dyes 9. Glycol 0. 'Pestlicides 1. 'Nitrosanime 2. Banned Azodyes 3. 'Free primary aroma | d d d d Pressrvation Method MRSL Parameters) 1. Phinalale 2. Chilotobanzanes, Chilotobanzanes, Chilotobuene & PAH 3. SCCPs 4. APS sols til amines | X X X X X X X X X X X X X X X X X X X | 2 Fr 300 14/27 M 2 4 Remark: Total 1000 mL total or 3000 mL total 1000 mL total 000 mL 100 mL 1000 mL 500 mL 500 mL 100 mL 50 mL 10 mL 1000 mL 10 mL 10 mL | 35, 8 147N2 1 volume colected | 36.2 HGA24 must be greater t | 37-5 167 m2 5 han total of sam | 35.2 147X24 pple size required Pres | hold adding see | | |
| Flow rate (volume/tim Volume collacted, mL Total volume collacted Analysis Required ar Tests (ZDHC Combined test or Individual test (Remark 4) 5. APEOs 5. APEOs 5. Chlorophanols & Cre 7. Flame retardant 9. Dyes 9. Glycol 0. 'Pesticides 1. Nitrosamine 2. Banned Azodyes 3. 'Free primary aroma 4. Organotin Compounce | d d d d d d d d d d d d d d d d d d d | 3 4 ⋅ 50 12 A ⋅ 50 12 A ⋅ 50 14 ⋅ 50 10 - 10 | 2 Fr 300 14/27 M 2 4 Remuch: Total 1000 mL total or 3000 mL total 1000 mL total or 3000 mL 1000 mL 100 mL 3000 mL 1000 mL 500 mL 300 mL 100 mL 100 mL 300 mL 100 mL 2000 mL 300 mL | 35, 8 147N2 1 volume colected | 36.2 HGA24 must be greater t | 37-5 167 m2 5 han total of sam | 35.2 147X24 pple size required Pres | hold adding see | | |
| Flow rate (volume/tim Volume collacted, mL Total volume collacted, mL Total volume collacted Analysis Required ar Tests (ZDHC Combined test of Individue test (Remark 4) 5. APEOS 5. Chlorophenols & Cre 7. Flame retardant 8. Dyes 9. Glycol 0. "Pesticides 1. *Nitrosamine 2. Banned Azodyes 3. *Free primary aroma 6. Organotin Compound 5. UV absorbers | d d d d Pressrvation Method MRSL Parameters) 1. Phinalale 2. Chilotobanzanes, Chilotobanzanes, Chilotobuene & PAH 3. SCCPs 4. APS sols til amines | 3 4 ⋅ 50 12 A ⋅ 50 12 A ⋅ 50 14 ⋅ 50 10 - 10 | 2 Fr 300 14/7 M Z 4 Remurk: Total 6 1000 mL total or 1000 mL total 0 1000 mL 100 mL 1000 mL 500 mL 100 mL 500 mL 100 mL 500 mL 100 mL 500 mL 500 mL 500 mL 100 mL 500 mL 500 mL 500 mL 100 mL 500 mL | 35, 8 147N2 1 volume colected | 36.2 HGA24 must be greater t | 37-5 167 m2 5 han total of sam | 35.2 147X24 pple size required Pres | hold adding see | | |
| Flow rate (volume/tim Volume collacted, mL Totai volume collacted, mL Totai volume collacted Analysis Required ar Tests (ZDHC Combined test Individual test (Remark 4) 5. APEOS 5. Chlorophanols & Cre 7. Flame retardant 8. Dyes 9. Glycol 0. "Peaticides 1. "Nitrosamine 2. Banned Azodyes 3. "Free primary aromai 4. Organotin Compound 5. UV absorbers 9. BPA | d d d d d d d d d d d d d d d d d d d | 3 4 ⋅ 50 12 A ⋅ 50 12 A ⋅ 50 14 ⋅ 50 10 - 10 | 2 Fr 300 14/7 M Z 4 Remark: Total Total of famme size 1000 mL total of famme size 1000 mL total of famme size 1000 mL 1000 mL total of famme size 1000 mL 1000 mL 500 mL 1000 mL 500 mL 1000 mL 500 mL 1000 mL 500 mL 500 mL 500 mL 500 mL 500 mL | 35, 8 147N2 1 volume colected | 36.2 HGA24 must be greater t | 37-5 167 m2 5 han total of sam | 35.2 147X24 pple size required Pres | hold adding see | | |
| Flow rate (volume claim) Volume collected, mL Total volume collected, mL Total volume collected Combined test of a collected Combined test of a collected Combined test (Remark 4) 2. APEOS 3. Chlorophenols & Cre Flame retardant Dyes 6. Flame retardant Dyes 6. Glycol 0. "Pesticides 1. "Nitrosamine 2. Banned Azdyses 5. "Free primary aroma 0. Organolin Compound D. UV absorbers BPA Preservatives | d At Pressrvation Method MRSL Parameters) I. Phihaiale I. Chiotobananas, Chiotobananas, Chiotobananas, A. APS sols tic amines 3s | 3 4 ⋅ 50 12 A ⋅ 50 12 A ⋅ 50 14 ⋅ 50 10 - 10 | 2 Fr 300 14/7 M Z 4 Remark: Total Total of fample size 1000 mL total of 1000 mL each 1000 mL each 1000 mL total of 100 mL 100 mL 100 mL 1000 mL 500 mL 500 mL 1000 mL 500 mL 500 mL 1000 mL 100 mL 100 mL 1000 mL 500 mL 500 mL 1000 mL 100 mL 100 mL 1000 mL 100 mL 100 mL 100 mL 100 mL 100 mL 100 mL 100 mL 100 mL 100 mL 100 mL 100 mL | 35, 8 147N2 1 volume colected | 36.2 HGA24 must be greater t | 37-5 167 NZ 5 han total of sam | 35.2 1-37X24 pple size required Pres | hold adding see | | |
| Flow rate (volume/tim Volume collacted, mL Total volume collacted, mL Total volume collacted Analysis Required ar Tests (ZDHC Combined test of Individue test (Remark 4) 5. APEOS 5. Chlorophenols & Cre 7. Flame retardant 8. Dyes 9. Glycol 0. "Pesticides 1. *Nitrosamine 2. Banned Azodyes 3. *Free primary aroma 6. Organotin Compound 5. UV absorbers | d At Pressrvation Method MRSL Parameters) I. Phihaiale I. Chiotobananas, Chiotobananas, Chiotobananas, A. APS sols tic amines 3s | 3 4 ⋅ 50 12 A ⋅ 50 12 A ⋅ 50 14 ⋅ 50 10 - 10 | 2 Fr '30 147782 4 Remark: Total 7 ample size 1000 mL total 000 mL total 000 mL 1000 mL 100 mL 1000 mL 100 mL 1000 mL 500 mL 1000 mL 500 mL 1000 mL 500 mL 1000 mL 100 mL 1000 mL 100 mL 1000 mL 100 mL 1000 mL 100 mL 100 mL 100 mL | 35, 8 147N2 1 volume colected | 36.2 HGA24 must be greater t | 37-5 147-72 5 han total of sam | 35.2 1-37X24 pple size required Pres | host adding seld sample at 2-3*C | | |



(6822)228-0225 August 29, 2022 Page 22 of 24

| 14-15-2-15-25-25-2 | FI | ELD DATA | RECORD OF | ZERO DISCHARGE SAMPLE | CPSD-AN-00613-DATA 04 | |
|--|---|---|--|---|---|----|
| MERICAN | | (CON | APOSITE / IN | DIVIDUAL SAMPLING) | Version No.: 17 | |
| althrand Rents | | | | | Business Line: Analytical | |
| · · · · · · · · · · · · · · · · · · · | | | | | | |
| Tests (Conve | ntional Parameters) | Test require (V) | d Total of sample size | Type of container | Preservation method | |
| Combined test | 20. Total suspened solids | | 2000 mL total | | | |
| Individual test | (TSS) 21. Total dissolved solids | X | or | a a | | |
| (Remark 4) | (TDS) | <u> </u> | 2000 mL each | Amber Glass, washed with nitric acid, | Wilhout adding acid | |
| | Dxygen Demand (BOD5) | | 1000 mL | | Store sample at 2-8°C | |
| 23. Colour | | - | 100 mL | | | |
| 6) | t Cr(VI) & Total-P (Remark | ~ | 9 mL | PE, washed with nitric acid | Acidify to pH 2 with HNO3 and store at 2-8°C | ¥2 |
| 25. Cyanide | 67 - 67 - 64 - 64 - 64 - 64 - 64 - 64 - | 1 | 500 mL | Amber Glass, washed with pesticide grade acetone | Adjust pH 12 with 50% NzOH, add 0.05 ml of 10% | |
| 26. Cr(Vi) | | ~ | 05 -1 | | Na ₂ S ₂ O ₃ , and store sample at 2-8°C Filter by 0.45µm filter in field, fill to full container without | |
| - | | | 95 mL | 3 • 3 | air gap; adjust pH to 9.0-9.5 by adding ammonium buffer. Store sample at 2-8°C | |
| 27. Chemical oxygen de | mand (COD) | | 150 mL | | | |
| 28. Phenois | | ~ | 500 mL | Amber Glass; washed with nitric acid | Acidify to pH 2 with H ₂ SO ₄ Store sample at 2-8°C | |
| 29. Oil and Grease & To | al Hydrocarbon | \checkmark | 1000 mL | | | |
| 30. *Formaldehyde | | x | 25 mL | v. | Fill to full container without air gap; acidify to pH 2 with | |
| 31. Sulfide (Remark 5) | | 1 | 50 mL | PE, washed with pesticide | H ₂ SO ₄ and store sample at 2-8°C Fill to full container without air gap; add 2 drops of 2M | |
| | | | JO ML | grade Acctone; | zinc acetate, adjust pH to 9 with 6M NaCH Store sample at 2-8°C | |
| 32.E.coli (Remark 6) | | ~ | 125 mL | PE, clean, sterile, non-reactive | Add 0.1 ml of 10% Na2S2O3 ,keep in dark Store sample at 2-8°C | |
| 33. Persistent foam | | | N.A. | Foam higher than 45 cm (visu | | |
| 34. Sulfite | | \checkmark | 100 mL | Amber Glass, washed with pesticide grade acctone | Add 1mL of 2.5% EDTA Store sample at 2-8*C | |
| 35. Total-N | | ~ | 100 mL | | | |
| 36. Ammonium-N | | | 500 mL | | Acidify to pH 2 with H ₂ SO ₄ Store sample at 2-8*C | |
| 37. Adsorbable organical | y bound halogens (AOX) | ~ | 100 mL | | Anistiku to pU 2 with LINIC and also also have | |
| 38. Acute equatic toxicity | | | | | Acidity to pH 2 with HNO ₂ and slore at 2-8°C | |
| Luminus Bacteria; Fish E 39. Sulphale | gg; Daphne; Alage; | | 1000 mL | Amber Glass, washed with nitric acid; | | |
| 40. Chloride | | | 100 mL | | Without adding acid | |
| | the second s | | 100 mL | | Store sample at 2-8°C | |
| 41. Conductivity | | _ | 100 mL | N | | |
| 42. Dissolved oxygen (DC |)) | | N.A. | | | - |
| 43. Total Chlorine | | | N.A. | Ineason | a in field | |
| 44. Olhers: | | 1 | | | | |
| Observation/ Remark: | | 16 (<u>1</u> 80) | i and | | 21.1. 1754 Torr | |
| 2. The minimum sampling 3. Scope of ZDHC guidelle Scope of Synthetic leaf Scope of MMCF: Paran Free primary aromatic s 8. Refer to CPSD-AN-000 8. Refer to CPSD-AN-00 | er Industry: Parameter 1-9, 12, 14-25 ter Industry: Parameter 1-9, teter 5, 18, 20, 22-24, 26-29 umine, pesticides, nitrosamin 019-STIP01, loactions with 1 | 9, 31:37, 39-43 12, 14-24, 26-2 , 31, 35-38 te and formalde those CPSD tes trealment of sul field blank for s | 9, 31-33, 35, 36, 31 hyde are not in the it capability instde 1 fide if only dissolve pecific parameters | scope of ZDHC Guidline, they are tested upon n CD matrix can perform the combined test. d suffide is required to be tested. | | |
| | | | ····· | lioned date, time and location. All sample(s) is/ar | | |



(6822)228-0225 August 29, 2022 Page 23 of 24

| COD) | FI | | | N ZERO DIS DIVIDUAL S | | MPLE | | issue Date Version No | | |
|---------------------------------------|--|--|-------------------------|--------------------------|---------------------------------|--------------------|--------------------|--|---------------------------------------|---|
| Field Data for Sludge | 3 | | | | | | | | | |
| Arrival Time: | 11.30 | 6 | Departure Time | к <u> </u> | 16. | 40 | ăt. st | 7 | | |
| Field Parameters | рН : | Temp : | °C | Flow rate (volum | e/lime) / sludge l | lux (welght/tim | ie): | | | |
| Control No. of field equ | lipment | | 25 | Colum | dove | 1 | Mero | 111-011 B (11-0-1) | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |] |
| Recording time | ID | | | | | | | | | 1 |
| | Time | | | | | | | | |] |
| рН : | | | | | | | <u>ः</u> | | | |
| Temp (°C) : | · · · · · · · · · · · · · · · · · · · | ļ | | | | | | | - | |
| Flow rate (volume/time |) / sludge flux (weight/time) | | | | | | | | | |
| Volume collected, mL | | 11 | | 1.54 | 10-10-7 | | | | | l |
| Total volume collected | | | Remark: Total y | volume collected n | ust be greater th | an total of san | nple size required | 1 | | |
| Factory with effluent tre | d Preservation Method salment plant | ~ | Y | 63 | * | | | No | | |
| Sample matrix | | | Sludge in clarifi | er (sedimentation | ank) | | | | | |
| Sampler container num | ber | 3kg | | | | | | | | |
| Recording time | | 1 FP 0 Test required | Yatal of | | | | | 1 | | |
| Tests (MF | (SL Parameter) | (V) | Total of sample size | Ţ | ype of container | | F | reservation mat | hod | |
| | 1. Phthalate 2. Chlorobenzenes, | ~ | | | | | | | | |
| Combined test or | Chiorololuene & PAHs | V | 10g total or | | | | | | | |
| Individual test (Remark 3) | 3. SCCPs | - | 10g each | | | | | | 0 | |
| | 4. APS | \checkmark | | | | | | | | |
| 5. APEOs | 11 | \sim | 20 g | | | | | | | |
| | | ~ | | | | | Add 0.2 mL | of 10% Na ₂ S ₂ O ₃ | (0.008% V/W). | |
| 6. Flame retardant 7. Dyes | | | 10 g | | | | 8 | Store sample at 4°C | | |
| 8. Glycols | | and the second | 10 g | | | ہے سرد بلیوں میں ا | | | e e e e e e e e e e e e e e e e e e e | |
| 9. *Pesticides | | × | 100 g | Aniber Glas | s, washed with r | | | | | |
| 1000 - 100 - 1000 - 1000 - | | | 20g | | | | | | | |
| 10. Banned Azodyes | | · | 20 g | | | | | | | |
| 11. "Free primary arom | atic amines | × | 10 g | | | | | | | |
| 12. Chlorophenois & Cr | esols | ~ | 20 g | 12 | | | 10% | 2 with H ₂ SO ₄ . / Na ₂ S ₂ O ₃ (0.0089 Nore sample at 4 | | |
| 13. Organotin Compour | nds | 1 | 10 g | | | | Fill to full conta | | air gap and acid | |
| 14. VOC & Halogenated | d Solvents (Remark 5) | ~ | 10 g | с т . | | | <u> </u> | Fill to full bottle | | |
| 15. PFCs (Remark 5) | | 1 J | | Add 0.02 m | | | S S | of 10% Na2S2Q | °C | |
| | | l | 10 g | FC, Wash W | h pesticide gard | # 4CG10718 | | tore sample at 4 | | |
| Tests (Conve | ntional Parameters) | | Total of sample | т. | pe of container | | | reservation mell | had | |
| 16. Heavy Metals excep | | (V) | size | | | | | ify to ~pH 2 with | | |
| - | | | 0.2 g | PE, v | ash with nitric ac | 4 0 . | | tore sample at 4 | °C | |
| 17. Cr(VI) | | | 2.5 g | 2 | | | | | | |
| 18. Adsorbable organic | ally bound halogens (AOX) | | 1 g | Ambar Ol- | ss, wash with ait | nic acid | Fill to full conta | iner without anv | air gap and acid | |
| 19. Extractable organic | nalides (EOX) | | 20 g | Amber Gla | ១១, រមជនរា With ពីដែ | IL BUD | | dd and store at 4 | | |
| 20. Total organic carbo | (TOC) | | 20 g | | | | | | | |
| 21, Cyanide | | | 50 g | Amber Glass, wa | h with pesticide | grade acetone | Adjust pH to 12 | | OH and store at | |
| 22. Feacal Coliform | | | 20 g | And Market Pl | , clean, starile, - | - | Add 0.1 mLo | 4°C (10% Na2S2O3 | keep in dark | |
| a 20 1 1 22 1 10 1 1 1 | | | alar of the state | 9.99.36. 3873 9.8 | non-reactive | | Si Si | ore sample at 2 | 8°C | |
| 23. % Solids | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | 1 1 | 20 - | | A Start Start Start Start Start | | | a store was seen a store of | | |
| 23. % Solids 24. Paint Filter Test | <u>a</u> | | 20 g 20 g | Amber Gla | ss, wash with ait | ric acid | Acidi | ly to ~pH 2 with tore sample at 4 | HNO3 | |

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(6822)228-0225 August 29, 2022 Page 24 of 24

| (60) FI | | CPSD-AN-00613-DATA 04 | |
|---|---|------------------------------|--|
| - (P) FI | ELD DATA RECORD ON ZERO DISCHARGE SAMPLE | Issue Date: | |
| | (COMPOSITE / INDIVIDUAL SAMPLING) | Version No.: 17 | |
| MANARASIN | | Business Line: Analytical | |
| Observation/ Remark: | | | |
| *Remarks: | | | |
| 1.Individual sampling can be performed upon reque | st | | |
| 2. The minimum sampling time for 2019 ZDHC guid | eline is 6 hours with no more than one hour between discrete samples. Sampling time cou | In the adjusted upon request | |
| 3. Scope of ZDHC guideline: Parameter 1, 2, 4, 5, 1 | 6-17, 21-24 | o be adjusted upon request. | |
| Scope of synthetic leather industry: Parameter 1 | 8, 10, 12-17 | | |
| Scope of MMCF: Parameter 16, 18-20 | | | |
| Free primary aromatic amine and pesticides are no | in the scope of ZDHC Guidline, they are tested upon request. | | |
| 4. Refer to CPSD-AN-G00019-STIP01, loactions w/ | h those CPSD test capability inside TCD matrix can perform the combined test. | | |
| 5. Refer to CPSD-AN-00613-MTHD for preparation | of field blank for specific parameters. | | |
| | • | | |
| | N | r 5 | |
| | | 2 | |
| | | | |
| | | | |
| | | | |
| | | | |

APPENDIX D – Limitation Value of Legal Requirements

Not Applicable

END