



CENTRAL POLLUTION CONTROL BOARD
REGIONAL DIRECTORATE KOLKATA
Regional Directorate, 502 Southend Conclave, 6th Floor, 1582 Rajdanga Main Road, Kolkata- 700107

Water Laboratory (ANALYSIS REPORT)
Waste Water Samples for Physico-Chemical Analysis Report

Samples Registration No. & Date : RDKL/WW/2324/SR00019, 11/10/2023 Report No. & Date of Issue : RDKL/2324/WW/00037,30/10/2023
Analysis Request Division/Organization : RD Kolkata Report sent to (Name,Mobile no. & Address of Indentor) : DH of RD Kolkata
Sample Details : Garden Reach STP Sample Matrix : Waste Water
Sample Collected by : Vishnu Vardhan Kanuri,S.C. Mohapatra, Kumar Ayush Date & Time of Sample Receipt : 11/10/2023 16:52 PM
Sampling Plan Preference : RDKL/WW/2324/SP00027 Sample Analysis Period : 12/10/2023 to 27/10/2023
Report Status : Final

| Sr.No | Date of Sample Collection | Field Code | Colour | MLSS | MLVSS | Phenolic compounds | Total Nitrogen | Total Phosphorus |
|-------|---------------------------|------------|--------|------|-------|--------------------|----------------|------------------|
| 1 | 10/10/2023 | GR-1 | 30 | | | | 16 | 3.5 |
| 2 | 10/10/2023 | GR-2 | | 112 | 72 | | | |
| 3 | 10/10/2023 | GR-3 | 15 | | | BLQ | 12 | 1.8 |

BDL : Below Deduction Limit

Remarks (if any) :

Analyst

Supervisor & Reviewer

Issued By (DH Water-Lab)

Md Abdur Rafique

Abhijit Pathak

Doc: CB/RDK/TR/QR/7.8/2

Issue No.:01

Revision No :01

Issue Date:20/01/2020

Revision Date: 08/12/2022

Page No. : 1/3



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BchY: ""5""hY'WbWbfUjcbg'UfY'YI dfYggYX']b'a [#`YI Wdhid<`UbX'7cbXi Wdj]mflea \c#A# k. — filea \c#A# k

Statement :

1. The results relate only to the samples tested.
2. The report shall not be reproduced except in full without written approval of the laboratory
3. BDL & Test methods are mentioned on back side of this report.
4. Samples will be retained only for one week after receipt of Report.

Analyst

Supervisor & Reviewer

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Page No. : 2/3



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| Parameter Name | Test Method | Unit | Limit of Detection | Uncertainty of Measurement |
|--|---|------|--------------------|----------------------------|
| Ammonical Nitrogen | APHA 24th Ed. 4500-NH3 B Part4000.424 to 425 and 4500-NH3 C Part4000.425 to 426 | mg/l | 1mg/l | |
| Biochemical Oxygen Demand (20 deg. C for 5 days & 27 deg.C for 3 days) | APHA 24th Ed., 5210 B Part5000.533 to 537 | mg/l | 1 mg/l | |
| Chemical Oxygen Demand | APHA 23th Ed. 5220 B. Part5000.544 to 545 | mg/l | 2 mg/l | |
| Colour | APHA 24th Ed. 2120 B Part 2000.82 to 83 | CU | | |
| MLSS | APHA 24th Ed. 2540- D Part 2000.146 to 147 | mg/l | 5 mg/l | |
| MLVSS | APHA 24th Ed, 2540 E. Part2000. 147-148 | mg/l | 5 mg/l | |
| NO3- N | APHA 24th Ed. 4500-NO3 E, Part4000.438-440 | mg/l | 0.01 mg/l | |
| Oil & Grease | APHA 24th Ed. 5520-B Part5000.572-574 | mg/l | 5 mg/l | |
| pH | APHA 24th Ed. 4500-H+B Part 4000.473-478 | | 2 | |
| Phenolic compounds | APHA 24th Ed. 5530 B Part 5000.579-580 and 5530 D Part 5000.582 | mg/l | 0.1 mg/l | |
| Phosphate - P | APHA 24th Ed. 4500-P D Part 4000.485-486 | mg/l | 0.01 mg/l | |
| Sulphate | APHA 24th Ed. 4500-SO4 E Part 4000.505-506 | mg/l | 4 mg/l | |
| Total Dissolve Solids | APHA 24th Ed. 2540 C Part 2000.145 | mg/l | 5 mg/l | |
| Total Nitrogen | | | | |
| Total Phosphorus | APHA 24th Edition 4500-P J | mg/l | 0.1 | |
| Total Suspended Solids | APHA 24th Ed. 2540-D Part 2000.146 to 147 | mg/l | 5 mg/l | |

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Page No. : 3/3