



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

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

Samples Registration No. & Date : RDKL/FW/2324/SR00022, 31/10/2023 Report No. & Date of Issue : RDKL/2324/FW/00054,26/12/2023
Analysis Request Division/Organization : RD Kolkata Report sent to (Name,Mobile no. & Address of Indentor) : DH of RD Kolkata
Sample Details : Groundwater sample of Haridevpur & Baghajatin STP premises Sample Matrix : Fresh Water
Sample Collected by : Girija Shankar Mishra,Girija Shankar Mishra, Saurabh Garg Date & Time of Sample Receipt : 01/11/2023 09:03 AM
Sampling Plan Preference : RDKL/FW/2324/SP00023 Sample Analysis Period : 01/11/2023 to 14/11/2023

Report Status : Final

| Sr.No | Date of Sample Collection | Field Code | Cobalt | Colour |
|-------|---------------------------|------------|--------|--------|
| 1 | 31/10/2023 | BG | x | 5 |
| 2 | 31/10/2023 | HG | BDL | 5 |

BDL : Below Deduction Limit

Remarks (if any) :

BCH. 5 H Y W b W b r U j c b g U r Y Y I d f Y g g X ' J b ' a [# Y I W d h d < ' U b X ' 7 c b X i W j] m f l e a \ c # A d L . f l e a \ c # A d L

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

Issued By (DH Water-Lab)

Md Abdur Rafique

Abhijit Pathak

Doc: CB/RDK/TR/QR/7.8/1

Issue No.:01

Revision No :01

Issue Date:20/01/2020

Revision Date: 08/12/2022

Page No. : 1/3



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

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

| Parameter Name | Test Method | Unit | Limit of Detection | Uncertainty of Measurement |
|------------------------|---|------|--------------------|----------------------------|
| Arsenic | APHA 24th Ed. 3125 B Part 3000.233 to 242 | | 10 ppb | |
| Calcium | APHA 23Ed. 3500-Ca B Part 3000.254 to 255 | mg/l | 4 mg/l | |
| Chemical Oxygen Demand | APHA 24th Ed. 5220 B. Part 5000.544 to 545 | mg/l | 2 mg/l | |
| Chloride | APHA 24th ed. 4500-Cl B Part 4000.340 to 341 | mg/l | 5 mg/l | |
| Chromium | APHA 24th Ed. 3125 B Part 3000.233 to 242 | | 10 ppb | |
| Cobalt | APHA 24th Ed. 3125 B Part 3000.233 to 242 | | 10 ppb | |
| Colour | APHA 24th Ed. 2120 B Part 2000.82 to 83 | CU | | |
| Conductivity | APHA 24th Ed. 2510- B Part 2000.134 to 135 | | 3 uS/cm | |
| Copper | APHA 24th Ed. 3125 B Part 3000.233 to 242 | | 10 ppb | |
| Fluoride | APHA 24th. Ed. 4500-F D, Part 4000.400 to 401 | mg/l | 0.04 mg/l | |
| Iron | APHA 24th Ed. 3125 B Part 3000.233 to 242 | | 10 ppb | |
| K+ | APHA 24th Ed. 3500 K-B, Part 3000.279-281 | mg/l | 0.1 mg/l | |
| Magnesium | APHA 24th Ed. 3500-Mg B, Part 3000.274 | mg/l | 2 mg/l | |
| Manganese | APHA 24th Ed. 3125 B Part 3000.233 to 242 | | 10 ppb | |
| Na+ | APHA 24th Ed. 3500 Na-B, Part 3000.290-292 | mg/l | 0.1 mg/l | |
| Nickel | APHA 24th Ed. 3125 B Part 3000.233 to 242 | | 10 ppb | |
| NO3- N | APHA 24th Ed. 4500-NO3 E, Part 4000.438-440 | mg/l | 0.01 mg/l | |
| pH | APHA 24th Ed. 4500-H+B Part 4000.473-478 | | 2 | |
| Phosphate - P | APHA 24th Ed. 4500-P D Part 4000.485-486 | mg/l | 0.01 mg/l | |

Analyst

Supervisor & Reviewer

Issued By (DH Water-Lab)

Md Abdur Rafique

Abhijit Pathak

Doc: CB/RDK/TR/QR/7.8/1

Issue No.:01

Revision No :01

Issue Date:20/01/2020

Revision Date: 08/12/2022

Page No. : 2/3



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

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

| | | | | |
|-------------------------------------|--|---------------------------|---------|------|
| Sulphate | APHA 24th Ed. 4500-SO4 E Part 4000.505-506 | mg/l | 4 mg/l | |
| Total Alkalinity | APHA 24th Ed. 2320-B Part 2000.112 to 114 | mg/l as CaCO ₃ | 8 mg/l | # #\ |
| Total Dissolved Solids | APHA 24th Ed. 2540 C Part 2000.145 | mg/l | 5 mg/l | |
| Total Hardness as CaCO ₃ | APHA 24th Ed. 2340-C Part 2000.124 to 126 | mg/l as CaCO ₃ | 10 mg/l | # #\ |
| Total Suspended Solids | APHA 24th Ed. 2540-D Part 2000.146 to 147 | mg/l | 5 mg/l | |
| Zinc | APHA 24th Ed. 3125 B Part 3000.233 to 242 | | 10 ppb | |

Analyst

Supervisor & Reviewer

Issued By (DH Water-Lab)

Md Abdur Rafique

Abhijit Pathak

Doc: CB/RDK/TR/QR/7.8/1

Issue No.:01

Revision No :01

Issue Date:20/01/2020

Revision Date: 08/12/2022

Page No. : 3/3