

District Level Water Testing Laboratory, Chaibasa, West Singhbhum, Jharkhand



TEST ANALYSIS REPORT

Doc No.: CBSA/DLWTL-QP-4-F31
Issue No.: 01
Revision No.: 00
Date : 05.03.2020

District Level Water Testing Laboratory
Chaibasa, Jharkhand

| | |
|--|---|
| Issued to : - KONCEPT PUBLIC SCHOOL, AT-LAUDIA, SONUA ROAD, BLOCK- CHAKRADHARPUR PASHCHIM SINGHBHUM JHARKHAND-833102 | URL - TC1089824000000118F Sample Code: - 240618GWCL16 Date of Issue: - 19/06/2024 Customer Reference No. : - CRL/JUN-24/16 |
|--|---|

| Sample Particulars | Details of Sampling |
|---|--|
| Sample Name/Description: GROUND WATER Sample Quantity : - 1LTR Sample pkg. Condition : - GOOD AND MAINTAINED AT 4⁰ C. | Sample Received date: -18/06/2024 Sample collected by: - CUSTOMER |

Discipline: Chemical

| | | |
|---------------------------|-------------------|---------------------------------------|
| Test started on: - | 18/06/2024 | Test completed on :-19/06/2024 |
|---------------------------|-------------------|---------------------------------------|

| Sl. No. | Test Parameter | Unit | Results | Method | Specification as per BIS – 10500:2012 (Second Revision) Amendment – June 2015 | |
|---------|--|------------|-----------|---|---|--|
| | | | | | Acceptable Limit | Permissible Limit (In Absence of Alternate source) |
| 1 | pH | - | 7.92 | APHA 23 rd Ed.2017-4500-H ⁻ B, (Electrometric method) | 6.5 – 8.5 | No relaxation |
| 2 | Total Dissolved Solids at 180 ⁰ C | mg/L max | 346 | APHA 23 rd Ed.2017-2540 -C, (Total Dissolved Solids Dried at 180 ⁰ C) | 500 | 2000 |
| 3 | Turbidity | NTU max | 1.8 | APHA 23 rd Ed.2017-2130- B, (Nephelometric method) | 1 | 5 |
| 4 | Colour | Hazen unit | 04 | APHA 23 rd Ed.2017-2120 -B, (Visual Comparison method) | 5 | 15 |
| 5 | Taste | - | Agreeable | IS 3025 (Part-7) (Taste Threshold) | Agreeable | Agreeable |
| 6 | Odour | - | Agreeable | IS 3025 (Part-5) | Agreeable | Agreeable |
| 7 | Total Alkalinity as CaCO ₃ | mg/L max | 188 | APHA 23 rd Ed.2017-2320 -B, (Titration method) | 200 | 600 |
| 8 | Total Hardness as CaCO ₃ | mg/L max | 240 | APHA 23 rd Ed.2017-2340 -C, (EDTA Titration method) | 200 | 600 |
| 9 | Calcium as Ca | mg/L max | 52.8 | APHA 23 rd Ed.2017-3500 Ca-B, (EDTA Titration method) | 75 | 200 |
| 10 | Magnesium as Mg | mg/L max | 25.92 | APHA 23 rd Ed.2017-3500-Mg- B, (Calculation method) | 30 | 100 |
| 11 | Chloride as Cl | mg/L max | 45.97 | APHA 23 rd Ed.2017-4500 Cl ⁻ B, (Argentometric method) | 250 | 1000 |
| 12 | Fluoride as F | mg/L max | 0.297 | APHA 23 rd Ed.2017-4500 F ⁻ C, (Ion selective electrode method) | 1.0 | 1.50 |

Specific contractual notes: -

- ◆ The results listed refer only to the tested sample and applicable parameter.
- ◆ This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
- ◆ This report can not be reproduced, except when in full, without the written permission of the Lab In-charge
- ◆ Tested Sample shall be retained up to Seven Days from the date of issue of the certificate.
- ◆ The liability of the laboratory is limited to the invoiced amount.

(Signature)
19/06/24.

Authorised Signatory
Technical Manager
 District Level Water Testing Laboratory
 D.W.& S. Division, Chaibasa