

Memo No:- 1259

Date:- 20/09/2024

Subject : Physical / Chemical Examination Report of Water Sample

| | | |
|--|-----------------------|------------------------|
| Sample ID/Classification : SIR/03399/9/2024 / Private | Sample Details | Date & Time |
| Sender : Rigveda Public School Shakker Mandori Sirsa | Collected By | Sharvan Kumar |
| Location : , R.o Water Rigveda Public School Shakker Mandori | Collection Date | 20/09/2024 at 12:15 |
| Sample Description : Drinking Water | Received at lab | 20/09/2024 at 12:23 |
| Latitude / Longitude : 75.226264 / 29.345260 | Analysis Start Date | 20/09/2024 |
| | Analysis End Date | 20/09/2024 |
| | Sample Quantity | 1Lts |

Test Result (As Per BIS 10500 :2012)

| S.No. | Tested Parameter | Result | Requirement (Acceptable Limit) | Permissible Lmt. (In the Absence of Alternate Source) | Protocol Used |
|-------|--------------------------------------|-----------|-----------------------------------|--|--|
| 1 | Total Dissolved Solids @ 180°C ± 2°C | 40 | 500 mg/lit. | 2000 mg/lit. | APHA 24th Edition -2540 C |
| 2 | Total Hardness as CaCO ₃ | 12 | 200 mg/lit. | 600 mg/lit. | APHA 24th Edition -2340 C |
| 3 | Calcium as Ca | 2.404 | 75 mg/lit. | 200 mg/lit. | APHA 24th Edition-3500-Ca B |
| 4 | Magnesium as Mg | 1.458 | 30 mg/lit. | 100 mg/lit. | APHA 24th Edition -3500 Mg B |
| 5 | Iron as Fe | 0.0 | 1.0 mg/lit. | 1.0 mg/lit. | USEPA |
| 6 | Chloride as Cl | 4.99 | 250 mg/lit. | 1000 mg/lit. | APHA 24th Edition -4500 Cl-B |
| 7 | Sulphate as So ₄ | 4.0 | 200 mg/lit. | 400 mg/lit. | USEPA / APHA 24th -4500 SO ₄ -E |
| 8 | Fluoride as F | 0.01 | 1.0 mg/lit. | 1.5 mg/lit. | APHA 24th Edition 4500 F-D: |
| 9 | Nitrate as No ₃ | 0 | 45 mg/lit. | 45 mg/lit. | APHA 4500-NO ₃ - B / USEPA |
| 10 | pH @ 25°C | 7.39 | 6.5 - 8.5 | 6.5 - 8.5 | APHA 24th Edition 4500-H+ B |
| 11 | Total Alkalinity | 10 | 200 mg/lit. | 600 mg/lit. | APHA 24th Edition -2320 B |
| 12 | Color | <5 | 5 Hazen Units | 15 Hazen Units | APHA 2120 C; 2017 |
| 13 | Odour | AGREEABLE | Agreeable | Agreeable | IS 3025 (Part-5):1983: RA:2002 |
| 14 | Taste | AGREEABLE | Agreeable | Agreeable | IS 3025 (Part-8):1984: RA:2002 |
| 15 | Turbidity | 0.10 | 1 NTU | 5 NTU | APHA 24th Edition -2130 B |
| 16 | Free Residual Chlorine | 0 | 0.2 mg/lit. | 1.0 mg/lit. | IS 3025 (Part-26):2021 |

Remarks :-

- * The Results Given above are related to the sample as received and tested in PHED SIRSA Lab.
- * The test report can't be regenerated in whole or part there of without written permission of Competent Authority.
- * The test report can't be used for any publicity or any legal purpose.
- * Reliability of water sample sample lies with sender/collector of water sample.
- * To check the sample report online Scan the QR Code below.
- * The test samples meant for chemical analysis will be disposed off after 7 days from the data of issue of test report unless until specifically requested by the customer for retaining over a longer period.

Water Sample has been found "**CONFORMING**" to Limits set in BIS10500:2012 for the tested parameters.



Sample analyzed by :

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