

KSPCB APPROVAL NO:- C 41/ 2021

WATER ANALYSIS REPORT

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| Report No:-UBL /1883 Client Name:-Springs international school Address:-Tana,Nilambur Phone no:-9400480400 Type of Analysis: Physical Chemical & Microbiological | Date :-22/05/2025 Source of sample :-Open well Sample Container :-1L Sample Collected By :-Party Sample delivered By:- Party Date of sampling :-22/05/2025 Date of receipt : 22/05/2025 Period of analysis :-23/05/2025-27/05/2025 |
|---|---|

| Sl No | Parameters | Test Method APHA | Result | Unit | Acceptable limit IS 10500:2012 | Permissible limit in the absence of alternate sources |
|-------------------------|-------------------------------|------------------------|--------|-----------|--------------------------------|---|
| PHYSICAL | | | | | | |
| 1. | Color | 2120b | | Hazen | Maximum 5 | 15 |
| 2. | Taste & Odor | 2150A&2160A | | a-- | Agreeable | No Relaxation |
| 3. | Turbidity | 2130B | 3.5 | NTU | Maximum1 | 5 |
| 4. | Electrical Conductivity @25°C | 2510B | 102 | µs/CM | No Limit | No Limit |
| CHEMICAL | | | | | | |
| 5. | Total dissolved solids- TDS | 2540C | 61 | Mg/L | Maximum 500 | 2000 |
| 6. | PH @ 25°C | 4500 H+B | 5.8 | -- | 6.5 – 8.5 | No relaxation |
| 7. | Total Alkalinity | 2320B | 46 | Mg/L | Maximum200 | 600 |
| 8. | Total Hardness | 2340C | 50 | Mg/L | Maximum200 | 600 |
| 9. | Calcium Hardness | 3500Ca B | 40 | Mg/L | No limit | No limit |
| 10. | Magnesium Hardness | 3500 Mg B | 10 | Mg/L | No limit | No limit |
| 11. | Calcium | 3500 Ca B | 16 | Mg/L | Maximum75 | 200 |
| 12. | Magnesium | 3500 Mg B | 2.4 | Mg/L | Maximum 30 | 100 |
| 13. | Chloride | 4500 Cl B | 10 | Mg/L | Maximum 250 | 1000 |
| 14. | Sulphate | 4500 SO ₄ E | BDL | Mg/L | Maximum200 | 400 |
| 15. | Nitrate as NO ₃ | 4500 NO ₃ B | 0.5 | Mg/L | Maximum 45 | No Relaxation |
| 16. | Ammonia as NH ₃ | 4500 NH ₃ F | BDL | Mg/L | Maximum0.50 | No Relaxation |
| 17. | Iron | 3500 Fe B | BDL | Mg/L | Maximum 1.00 | No Relaxation |
| MICRO BIOLOGICAL | | | | | | |
| 18. | Total coliforms | 9222 B | Absent | Cfu/100ml | Shall be absent | No Relaxation |
| 19. | Faecal Coliforms | 9222 D | Absent | Cfu/100ml | Shall be absent | No Relaxation |

**Note :This report is of the sample tested only and shall not be reproduced except in full Remarks:-
The water sample tested shows deviation from acceptable limits for PH&Turbidity.Lime
treatment to boost the ph level.**

KERALA STATE POLLUTION CONTROL BOARD APPROVED LABORTORY

Authorized signatory

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