



TC-6793



RAL/TR/PVT

GOVERNMENT OF KERALA

REGIONAL ANALYTICAL LABORATORY
KAKKANAD, ERNAKULAM. Pin 682030
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TEST REPORT

Report No.10028/A/24-25

ULR No:TC67932400000820F

Issue Date. 04.05.2024

| | |
|---|---|
| Particulars of the sample : KWA Water | Name & Address of Customer :- Isabella De Rosis Public School, Thevarkad, Varapuzha P.O, Ernakulam – 683 517 (Sample forwarded by Medical Officer incharge, CHC, Varapuzha) |
| Date of receipt of sample : 08.04.2024 | |
| Date of Analysis : 06.04.2024 – 04.05.2024 | |
| Condition of Sample : Fit for Analysis | |
| Sample Description : Clear, Colourless, odourless liquid | Sample Quantity received : 2 L+ 125 ml |
| Type of packing : Wax Sealed Plastic Can+ Sterile Bottle | |

CHEMICAL TESTING

| Sl No. | Parameters | Test Method | Unit | Result | Acceptable Limit as per IS 10500 : 2012 (With Amendment No. 1, 2, 3 & 4) |
|--------|--|---|------|-------------------------|--|
| 1. | pH value | FSSAI Manual of Methods of Analysis of Foods-Water, 2016 | -- | 6.91 | 6.5-8.5 |
| 2. | Turbidity | FSSAI Manual of Methods of Analysis of Foods-Water, 2016 | NTU | 0.15 | Max, 1.0 |
| 3. | Total Alkalinity (as CaCO ₃) | FSSAI Manual of Methods of Analysis of Foods-Water, 2016 | mg/l | 39.61 | Max, 200 |
| 3. | Total Hardness(as CaCO ₃) | APHA,2340 C,24 th Edition | mg/l | 38.19 | Max, 200 |
| 4. | Calcium (as Ca) | APHA,3500 Ca,24 th Edition | mg/l | 12.89 | Max, 75 |
| 5. | Magnesium(as Mg) | APHA ,3500 Mg, 24 th Edition | mg/l | 1.46 | Max, 30 |
| 6. | Sulphates(as SO ₄) | Official Methods of AOAC, Volume I, Method No: 973.57, 22 nd Edition | mg/l | 22.71 | Max, 200 |
| 7. | Fluoride (as F ⁻) | APHA,4500-F ⁻ D, 24 th Edition | mg/l | BQL (LOQ = 0.2 mg/l) | Max, 1.0 |
| 8. | Chloride (as Cl ⁻) | FSSAI Manual of Methods of Analysis of Foods-Water 2016 | mg/l | 11.43 | Max, 250 |
| 9. | Nitrate as (NO ₃ ⁻) | APHA,4500 NO ₃ ⁻ B,24 th Edition | mg/l | BQL (LOQ = 2.0 mg/l) | Max, 45 |
| 10. | Total Dissolved Solids | FSSAI Manual of Methods of Analysis of Foods-Water 2016 | mg/l | 73.0 | Max, 500 |
| 11. | Iron (as Fe-) | APHA 3500 Fe B,24 th edition | mg/l | BQL (LOQ = 0.1 mg/l) | Max, 1.0 |
| 12. | Ammonia (as total ammonia-N) | APHA 4500 NH ₃ F, 24 th edition | mg/l | BQL (LOQ = 0.1 mg/l) | Max, 0.5 |

BQL= Below Quantification Limit; LOQ = Limit of Quantification

Opinion: Satisfactory

Note:

1. The test report relates to the tested parameters and to the tested item (as received) only.
2. The report shall not be reproduced except in full without approval of the Laboratory.
3. In Test report the decision rule of the laboratory is applied as and when required.
4. The complete report includes both A and B reports

End of the Report

Thara J
Authorized Signatory





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| | | Type of packing : Wax Sealed Plastic Can+ Sterile Bottle | | | |
| MICROBIOLOGICAL TESTING | | | | | |
| SL No. | Parameters | Unit | Test Method | Result | Acceptable Limit as per IS 10500 : 2012 (With Amendment No. 1, 2, 3 & 4) |
| 1 | Coliforms | MPN/100 ml | IS 1622 1981 RA 2019 | <2 | Less than 2 |
| 2 | E.Coli | -- | IS 1622 1981 RA 2019 | Absent/100 ml | Shall be absent |

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-End of the Report-