



RURAL DRINKING WATER & SANITATION DEPARTMENT, GoK
Magadi Sub Divisional, Water Quality Testing Laboratory, Ramanagara-562120.

TEST REPORT

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| Address of the sampling location : Balaji National Public School Venkataiahnapalya, Bychapura road Magadi. | Report date: 22-04-2024 |
| | Report Number: MAG24APR005 |
| | Reference: Sample Receipt Form |
| | Sample receipt date: 19-04-2024 |
| | Date of Sample collection: 19-04-2024 |
| | Analysis start date: 19-04-2024 |
| | Analysis completion date: 20-04-2024 |

Sample collection protocol: APHA Method
Sample quantity: 1 Litre.

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| Sample Particulars: R.O.Water |
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| Sl.No | Test | Results | Acceptable Limit IS 10500 : 2012 RA:2018 | Permissible Limit IS 10500 : 2012 RA:2018 | Protocol |
|--------------------------------------|--|-----------|--|---|-------------------------------|
| Description: Colourless clear liquid | | | | | |
| 1 | pH Value @ 25°C | 6.43 | 6.5 – 8.5 | No relaxation | IS 3025 (Part-11) : 2022 |
| 2 | Specific Conductance, µS/cm @ 25°C | 188 | — | — | IS 3025 (Part-14) : 2013 |
| 3 | Odour | Agreeable | Agreeable | Agreeable | IS 3025 (Part-5 & 6):2018 |
| 4 | Taste | Agreeable | Agreeable | Agreeable | IS 3025 (Part-8):2017 |
| 5 | Colour, Hazen Units | < 5.0 | 5 | 15 | IS 3025 (Part-4) :2021 |
| 6 | Turbidity, NTU | 0.5 | 1 | 5 | IS 3025 (Part-10) : 1984 |
| 7 | Total Dissolved Solids mg/l, @ 180°C | 118 | 500 | 2000 | IS 3025 (Part-16) : 1984 |
| 8 | Alkalinity as CaCO ₃ , mg/l | 40.2 | 200 | 600 | IS 3025 (Part-23) : 1986 |
| 9 | Total Hardness as CaCO ₃ , mg/l | 40.0 | 200 | 600 | IS 3025 (Part-21) : 2009 |
| 10 | Calcium as Ca, mg/l | 8.0 | 75 | 200 | IS 3025 (Part-40) : 1991 |
| 11 | Magnesium as Mg, mg/l | 4.9 | 30 | 100 | IS 3025 (Part-46) : 1994 |
| 12 | Chloride as Cl, mg/l | 70.0 | 250 | 1000 | IS 3025 (Part-32) : 1988 |
| 13 | Sulphate as SO ₄ , mg/l | 15.2 | 200 | 400 | IS 3025 (Part-24) : 2022 |
| 14 | Fluoride as F, mg/l | 0.2 | 1 | 1.5 | APHA 23 rd Edition |
| 15 | Nitrate as NO ₃ , mg/l | 2.4 | 45 | No relaxation | APHA 23 rd Edition |
| 16 | Iron as Fe, mg/l | < 0.1 | 1 | No relaxation | IS 3025 (Part-53) : 2003 |

Remarks : The given sample conforms to the Acceptable limit of IS 10500 : 2012 RA:2018 drinking water specification for the above tested parameter only.

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| Analysed By : Analyst | <i>Bhagyashree K</i> | RDWSD Water Quality Lab Magadi. | Verified By : Assistant Executive Engineer | <i>[Signature]</i> |
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- Note:**
- 1) The above results relate only to the sample tested.
 - 2) The report shall not be reproduced except in full without the prior approval of the Quality Manager.
 - 3) Traceability: Traceability of measurements is established using CRMs traceable to National/International standards.
 - 4) Samples will be discarded after 15 days from the date of report generation.
 - 5) Decision rule is applicable as per the procedure mentioned in RDWSD/WQMSP/DR-01.

RDWSD/WQMSP/TeR/01


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