



Ganesh Consultancy & Analytical Services

(An ISO 9001-2015, ISO 14001-2015, ISO 45001:2018 Certified, FSSAI, MOEF Notified, ISO 17025:2005 Accredited Laboratory)
Test House: 294A, Hebbal Industrial Area, Mysore - 570 016. Tel – 2402986, 4282027
Email : info@ganeshlaboratory.com, Web : www.ganeshlaboratory.com

CUSTOMER ADDRESS,
M/s. Maharshi Public School,
38/B, 2nd Stage,
Vishveshwara Nagar,
Mysore – 570 004.



Control No C-05890/2024
Customer Ref Oral
Date of Sample Collection 15-06-2024
Date of Sample Receipt 15-06-2024
Date of Commencement 17-06-2024
Date of Completion 21-06-2024
Date of Report 22-06-2024
5) Sample Condition: Normal
6) Sample Code/batch No. Not Specified
7) Sample Collected By Lab Personnel
8) Sampling Protocol IS 3025

- 1) Sample description: Water
- 2) Sample Marked as: RO Drinking Water.
- 3) Sampling location : Not Specified
- 4) Sample Package / Quantity: PET Bottle, 1 Liter

Discipline: Chemical

Group: Water

ULR No.: TC739024000002025F

Sl. No.	Test	Unit	Result	IS 10500 – 2012 Specifications		Test Method
				Acceptable limit	Permissible Limit	
<i>Organoleptic and Physical Parameters</i>						
1	Colour	Hz	<5	5	15	IS: 3025 (P 4)
2	Odour	---	Agreeable	Agreeable	Agreeable	IS: 3025 (P 5)
3	Turbidity	NTU	0.2	1	5	IS: 3025 (P 10)
4	pH Value	---	6.74	6.5-8.5	No Relaxation	IS: 3025 (P 11)
5	Total Dissolved Solids	mg/l	23	500	2000	IS: 3025 (P 16)
<i>General Parameters</i>						
6	Total Hardness as CaCO ₃	mg/l	2	200	600	IS: 3025 (P 21)
7	Calcium as Ca	mg/l	0.8	75	200	IS: 3025 (P 40)
8	Magnesium as Mg	mg/l	BLQ (LOQ 0.48)	30	100	IS: 3025 (P 46)
9	Chloride as Cl	mg/l	2	250	1000	IS: 3025 (P 32)
10	Sulphate as SO ₄	mg/l	BLQ (LOQ 1)	200	400	IS: 3025 (P 24)
11	Nitrate as NO ₃	mg/l	6.59	45	No Relaxation	APHA (24 th Edition) P-4500 NO ₃
12	Iron as Fe	mg/l	0.11	1.0	No Relaxation	IS: 3025 (P 53)
13	Fluoride as F	mg/l	BLQ (LOQ 0.1)	1.0	1.5	IS 3025 (P 60)
14	Copper as Cu	mg/l	BLQ (LOQ 0.01)	0.05	1.5	IS: 3025 (P 2)
15	Manganese as Mn	mg/l	BLQ (LOQ 0.01)	0.1	0.3	IS: 3025 (P 2)
16	Selenium as Se	mg/l	BLQ (LOQ 0.01)	0.01	No Relaxation	IS: 3025 (P 2)
17	Zinc as Zn	mg/l	BLQ (LOQ 0.01)	5	15	IS: 3025 (P 2)
18	Residual Free Chlorine	mg/l	BLQ (LOQ 0.2)	0.2	1	IS: 3025 (P 26)
19	Total Alkalinity as CaCO ₃	mg/l	15	200	600	IS: 3025 (P 23)
20	Aluminium as Al	mg/l	BLQ (LOQ 0.005)	0.03	0.2	IS: 3025 (P 2)
21	Anionic Detergents	mg/l	BLQ (LOQ 0.2)	0.2	1.0	Annex K of IS 13428
22	Phenolic Compounds C6H5OH	mg/l	BLQ (LOQ 0.001)	0.001	0.002	IS: 3025 (P 43)
23	Boron as B	mg/l	BLQ (LOQ 0.5)	0.5	1.0	IS: 3025 (P 2)
<i>Toxic Substances</i>						
24	Arsenic as As	mg/l	BLQ (LOQ 0.01)	0.01	No Relaxation	IS: 3025 (P 37)
25	Cadmium as Cd	mg/l	BLQ (LOQ 0.003)	0.003	No Relaxation	IS: 3025 (P 2)
26	Cyanide as CN	mg/l	BLQ (LOQ L0.05)	0.05	No Relaxation	APHA (24 th Edition) P-4500 CN
27	Lead as Pb	mg/l	BLQ (LOQ 0.01)	0.01	No Relaxation	IS: 3025 (P 2)
28	Mercury as Hg	mg/l	BLQ (LOQ 0.001)	0.001	No Relaxation	IS: 3025 (P 48)
29	Total Chromium as Cr	mg/l	BLQ (LOQ 0.005)	0.05	No Relaxation	IS: 3025 (P 2)

BLQ: Below Detection Limit, LOQ: Detection Limit.

Interpretation: The test result **meets** the acceptable limit requirement of IS 10500:2012 specification.

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' Render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'Permissible limit in the absence of alternate source' in col 6, above which the sources will have to be rejected.

****End of the Report****



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- 1) Sample description: Water
- 2) Sample Marked as: RO Drinking Water.
- 3) Sampling location : Not Specified
- 4) Sample Package / Quantity: Sterilized Bottle, 250 ml
- 5) Sample condition: Satisfactory

Discipline: Biological



Group: Water

Control No
Customer Ref
Date of Sample Collection
Date of Sample Receipt
Date of Commencement
Date of Completion
Date of Report
6) Sample Code/batch No.
7) Sample Drawn By
8) Sampling Protocol

B-05890/2024
Oral
15-06-2024
15-06-2024
17-06-2024
19-06-2024
22-06-2024
Normal
Lab Personnel
IS 1622

ULR No.: TC739024000002026F

Sl. No.	Test	Unit	Result	IS 10500 – 2012 Specification	Test Method
1	Total Coliform bacteria	/100ml	Not Detected	Shall not be detectable in 100ml	IS 15185 : 2016
2	Escherichia coli	/100ml	Not Detected	Shall not be detectable in 100ml	IS 15185 : 2016

Comments: The test result **meets** the bacteriological specification of IS10500:2012.
Hence the above water sample is **potable**.

****End of the Report****