

H.O. Office & Laboratory : No. 76/R, Hanuman Temple Road, Hootagalli Industrial Area, Mysuru-570 018, Karnataka, India

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Bangalore Branch Office : 75/E, 3rd Floor, 8th Cross, Ullal Main Road, Muneshwaranagar, Mallathahalli,

Bangalore-560 056, Mob : +91 9972094110, +91 9901992111 E-mail : elabmysore@gmail.com

TEST REPORT

Customer Address.

M/s. The Acme School,
 # CA/1, Rotary Sudarshini Building,
 Nivedithanagar, Mysuru – 570022.

 Report No. : MTH/W/Sept/25/0116
 Report date : 17/09/2025
 Ref. : Test Request Form
 Date of sampling : 10/09/2025
 Job Order No. : MTH/W/Sept/25/0116
 Date of receipt : 11/09/2025
 Analysis start date : 11/09/2025
 Analysis completed date : 16/09/2025

Sample Particulars: One sample of RO drinking water.

Sample Qty: 2Ltr

Sl. No.	Tests	Unit	Results	IS 10500:2012 Specification		Protocol
				Acceptable Limit	Permissible Limit	
01	Color	H _z	<5	5.0	15.0	IS 3025 (part 04): 2021
02	Odor	---	Agreeable	Agreeable	Agreeable	IS:3025(Part-05)-2018
03	Taste	---	Agreeable	Agreeable	Agreeable	IS:3025(Part-07)-2017
04	pH value	---	7.1	6.5 - 8.5	No relaxation	IS:3025(Part-11)-2022
05	Turbidity	NTU	<1.0	1.0	5.0	IS:3025(Part-10)-2023
06	Total Dissolved Solids	mg/L	46.0	500	2000	IS:3025(Part-16)-2023
07	Total Alkalinity as CaCO ₃	mg/L	18.0	200	600	IS:3025(Part-23)-2023
08	Total Hardness as CaCO ₃	mg/L	24.0	200	600	IS:3025(Part-21)-2009
09	Calcium as Ca	mg/L	5.6	75	200	IS:3025(Part-40)-1991
10	Magnesium as Mg	mg/L	2.4	30	100	IS:3025(Part-46)-2023
11	Chloride as Cl	mg/L	10.0	250	1000	IS:3025(Part-32)-1988
12	Sulphate as SO ₄	mg/L	0.6	200	400	APHA 4500 SO ₄ -F 24 th Edition 2023
13	Nitrates as NO ₃	mg/L	3.3	45	No relaxation	APHA 24th Edition 4500 NO ₃ B: 2023
14	Fluoride as F	mg/L	0.2	1.0	1.5	APHA 4500-F 24 th Edition 2023
15	Iron as Fe	mg/L	BDL	1.0	No relaxation	APHA 24th Edition 4500 F D: 2023
16	Residual free chlorine	mg/L	BDL (DL=0.2)	Min 0.2	Min 1.0	IS:3025(Part-26)-2021
17	Boron (as B)	mg/L	BDL (DL=0.1)	0.5	2.4	APHA 24th Edition 4500 B B: 2023
18	Phenolic compounds (as C ₆ H ₅ OH)	mg/L	BDL (DL=0.001)	0.001	0.002	APHA 24th Edition 5530 C: 2023
19	Aluminium (as Al)	mg/L	BLQ (LOQ=0.01)	0.03	0.2	IS 3025 P-02: 2019
20	Copper (as Cu)	mg/L	BLQ (LOQ=0.01)	0.05	1.5	IS 3025 P-02: 2019
21	Manganese (as Mn)	mg/L	BLQ (LOQ=0.01)	0.1	0.3	IS 3025 P-02: 2019
22	Selenium (as Se)	mg/L	BLQ (LOQ=0.01)	0.01	No relaxation	IS 3025 P-02: 2019
23	Zinc (as Zn)	mg/L	BLQ (LOQ=0.01)	5.0	15.0	IS 3025 P-02: 2019
24	Lead (as Pb)	mg/L	BLQ (LOQ=0.01)	0.01	No relaxation	IS 3025 P-02: 2019
25	Nickel (as Ni)	mg/L	BLQ (LOQ=0.01)	0.02	No relaxation	IS 3025 P-02: 2019

Note: BDL = Below Detectable Limit.

Note: BDL: Below detection Limit DL: Detection Limit BLQ; Below Limit Of Quantification ; LOQ: Limit of Quantification

 Analyzed by
Priyanka P.T

 Authorized Signatory
Priyanka P.T

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	Report date	: 17/09/2025
	Ref.	: Test Request Form
	Date of sampling	: 10/09/2025
	Job Order No.	: MTH/W/Sept/25/0116
	Date of receipt	: 11/09/2025
	Analysis start date	: 11/09/2025
	Analysis completed date	: 16/09/2025
Sample Particulars: One sample of RO drinking water.		Sample Qty: 2Ltr

Sl. No.	Tests	Unit	Results	IS 10500:2012 Specification		Protocol
				Acceptable Limit	Permissible Limit	
26	Total arsenic (as As)	mg/L	BLQ (LOQ=0.01)	0.01	No relaxation	IS 3025 P-02: 2019
27	Total chromium (as Cr)	mg/L	BLQ (LOQ=0.01)	0.05	No relaxation	IS 3025 P-02: 2019
28	Cyanide (as CN)	mg/L	BDL (DL=0.02)	0.05	No relaxation	IS 3025 (part 27: Sec 1) :2021
29	Mercury (as Hg)	mg/L	BLQ (LOQ=0.001)	0.001	No relaxation	IS 3025 P--48 : 1994 (RA 2019)

Microbiological Tests:

Sl. No	Test parameter	Unit	Results	Maximum Permissible Limits in The Absence of Alternate Source As per IS:10500-2012	Test method
30	Escherichia coli	CFU/100 ml	<1	Shall not be detectable in 100 ml sample	IS 15185 RA 2016
31	Total Coliforms	CFU/100 ml	<1		IS 15185 RA 2016

Remarks: The given sample meets to permissible limits as per IS 10500:2012 Specification for above Physical – Chemical testing & bacteriological tests.

Note: BDL = Below Detectable Limit.

***** END OF THE REPORT *****



Priyanka . P.T
 Analyzed by

Ravi . D
 Authorized Signatory

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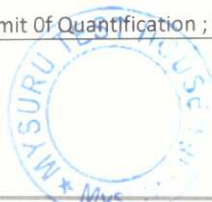
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	Date of receipt	: 11/09/2025
	Analysis start date	: 11/09/2025
	Analysis completed date	: 16/09/2025
Sample Particulars: One sample of Borewell water.		Sample Qty: 2Ltr

Sl. No.	Tests	Unit	Results	IS 10500:2012 Specification		Protocol
				Acceptable Limit	Permissible Limit	
01	Color	Hz	5	5.0	15.0	IS 3025 (part 04): 2021
02	Odor	---	Agreeable	Agreeable	Agreeable	IS:3025(Part-05)-2018
03	Taste	---	Dis agreeable	Agreeable	Agreeable	IS:3025(Part-07)-2017
04	pH value	---	7.4	6.5 - 8.5	No relaxation	IS:3025(Part-11)-2022
05	Turbidity	NTU	1.6	1.0	5.0	IS:3025(Part-10)-2023
06	Total Dissolved Solids	mg/L	706.0	500	2000	IS:3025(Part-16)-2023
07	Total Alkalinity as CaCO ₃	mg/L	441.0	200	600	IS:3025(Part-23)-2023
08	Total Hardness as CaCO ₃	mg/L	431.0	200	600	IS:3025(Part-21)-2009
09	Calcium as Ca	mg/L	84.0	75	200	IS:3025(Part-40)-1991
10	Magnesium as Mg	mg/L	53.0	30	100	IS:3025(Part-46)-2023
11	Chloride as Cl	mg/L	135.0	250	1000	IS:3025(Part-32)-1988
12	Sulphate as SO ₄	mg/L	28.0	200	400	APHA 4500 SO ₄ -F 24 th Edition 2023
13	Nitrates as NO ₃	mg/L	27.2	45	No relaxation	APHA 24th Edition 4500 NO ₃ B: 2023
14	Fluoride as F	mg/L	0.4	1.0	1.5	APHA 4500-F 24 th Edition 2023
15	Iron as Fe	mg/L	0.14	1.0	No relaxation	APHA 24th Edition 4500 F D: 2023
16	Residual free chlorine	mg/L	BDL (DL=0.2)	Min 0.2	Min 1.0	IS:3025(Part-26)-2021
17	Boron (as B)	mg/L	BDL (DL=0.1)	0.5	2.4	APHA 24th Edition 4500 B B: 2023
18	Phenolic compounds (as C ₆ H ₅ OH)	mg/L	BDL(DL=0.001)	0.001	0.002	APHA 24th Edition 5530 C: 2023
19	Aluminium (as Al)	mg/L	BLQ (LOQ=0.01)	0.03	0.2	IS 3025 P-02: 2019
20	Copper (as Cu)	mg/L	BLQ (LOQ=0.01)	0.05	1.5	IS 3025 P-02: 2019
21	Manganese (as Mn)	mg/L	BLQ (LOQ=0.01)	0.1	0.3	IS 3025 P-02: 2019
22	Selenium (as Se)	mg/L	BLQ (LOQ=0.01)	0.01	No relaxation	IS 3025 P-02: 2019
23	Zinc (as Zn)	mg/L	BLQ (LOQ=0.01)	5.0	15.0	IS 3025 P-02: 2019
24	Lead (as Pb)	mg/L	BLQ (LOQ=0.01)	0.01	No relaxation	IS 3025 P-02: 2019
25	Nickel (as Ni)	mg/L	BLQ (LOQ=0.01)	0.02	No relaxation	IS 3025 P-02: 2019

Note: BDL = Below Detectable Limit.

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Microbiological Tests:

Sl. No	Test parameter	Unit	Results	Maximum Permissible Limits in The Absence of Alternate Source As per IS:10500-2012	Test method
30	Escherichia coli	CFU/100 ml	<1	Shall not be detectable in 100 ml sample	IS 15185 RA 2016
31	Total Coliforms	CFU/100 ml	28		IS 15185 RA 2016

Note: The highlighted test parameters are more than the specification.

Remarks: The given sample does not meets to permissible limits as per IS 10500:2012 Specification for above Physical – Chemical testing & bacteriological tests.

Note: BDL = Below Detectable Limit.

***** END OF THE REPORT *****


 Priyanka . P.T
 Analyzed by

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