



TEST REPORT

Issued To: M/s. Meridian School. # 8-2-541, Road No: 7, Zahara Nagar, Banjara Hills, Hyderabad.		Issued Date	07.07.2025
		Our Ref No	VL-202500012941
		Your Ref No	Verbal
		Your Ref Date	30.06.2025
Sample description given by Customer	RO Water Collected at Plant	Mode of Packing	Pet bottle
Environmental Conditions at the time of Sampling (Tem/RH)		26.9°C/47%	
Appearance of the Sample	Clear Liquid	Sample condition at the time of Receiving	Found Ok
Sample Collection Date	30.06.2025	Sample Quantity	1 ltr+300 ml
Sample Collection Time	01:40 pm	Analysis starting date	01.07.2025
Sample Registration Date	30.06.2025	Analysis Completion date	07.07.2025
Sampling done by Mr. Bharath on behalf of Vison Labs as per VL/SOP/C/53 for Chemical & VL/SOP/M/24 for Biological Analysis			

TEST RESULTS

S. No	Parameters	Test Method	Units of Measurement	Test Results	Drinking Water Limits As per IS: 10500; 2012	
					Acceptable Limits	Permissible limits in absence of alternative Source

PHYSICAL EXAMINATION

1.	pH at 25°C	IS:3025 part 11 :2022	--	6.79	6.50 – 8.50	No relaxation
2.	Conductivity at 25°C	IS: 3025 Part 14 2013, RA-2019	µmhos/cm	79	--	--
3.	Total Dissolved Solids	IS: 3025 Part 16:2023	mg/L	51	500 max	2000 max
4.	Turbidity	IS: 3025 Part 10:2023	NTU	<1.0	1 max	5 max
5.	Color	IS: 3025 Part 4:2021	CU	<01	5 max	15 max

CHEMICAL EXAMINATION

6.	Total Hardness as CaCO ₃	IS: 3025 Part 21 2009, RA-2019	mg/L	10	200 max	600 max
7.	Alkalinity – Phenolphthalein	IS: 3025 Part 23 1986, RA-2019	mg/L	<1.0	---	---
8.	Alkalinity – Methyl Orange	IS: 3025 Part 23 1986, RA-2019	mg/L	10	200 max	600 max
9.	Calcium as Ca	IS: 3025 Part 40 1991, RA-2019	mg/L	2.0	75 max	200 max
10.	Magnesium as Mg	IS: 3025 Part 46 1994, RA-2019	mg/L	1.2	30 max	100 max
11.	Chloride as Cl	IS: 3025 Part 32 1988, RA-2019	mg/L	15.0	250 max	1000 max
12.	Sodium as Na	IS: 3025 Part 45 1993, RA-2019	mg/L	12.6	---	---
13.	Potassium as K	IS: 3025 Part 45 1993, RA-2019	mg/L	0.4	---	---
14.	Sulphate as SO ₄	APHA 24 th Edn 4500 SO4 E, 2023	mg/L	6.6	200 max	400 max
15.	Nitrate as NO ₃	IS: 3025 Part 34 1988, RA-2019	mg/L	0.6	45 max	No relaxation
16.	Silica as SiO ₂	IS: 3025 Part 35 1988, RA-2019	mg/L	<0.02	--	--
17.	Iron as Fe	IS: 3025 Part 53 2003, RA-2019	mg/L	<0.04	1.0 max	No relaxation
18.	Fluoride as F	APHA 4500 F B,D 24 th Edition:2023	mg/L	<0.10	1.0 max	1.5 max

Microbiological Analysis

1.	Total Plate Count	IS:5402-2012, RA-2018	CFU/mL	Not Detected	--
2.	Coli form Bacteria	IS 15185:2016, RA-2021	CFU/100mL	Not Detected	Shall Not be Detectable in any 100 mL
3.	Escherichia coli	IS 15185:2016, RA-2021	CFU/100mL	Not Detected	

Sr. Chemist	Sr. Microbiologist	Authorized Signatory Technical Manager – Dr. T. Laxmikath Reddy



VL/QM/7. 8/TR