



VISON LABS

Environmental Consultants & Analytical Services

Accredited by NABL vide certificate number TC-5064
MoEF & CC, ISO 9001 : 2015 & OHSAS 45001 : 2018



TC-5064

TEST REPORT

Issued To: The Principal Kendriya Vidyalaya, NFC Nagar, Ghatkesar, Medchal Malkajgiri.		Issued Date	05.07.2024
		Our Ref No(ULR NO)	TC506424000002853F
		Your Ref No	Verbal
		Your Ref Date	28.06.2024
Sample description	RO Water (Drinking Water)	Mode of Packing	Pet bottle
Appearance of the Sample	Clear Liquid	Sample condition at the time of Receiving	Found Ok
		Sample Quantity	1 ltr
Sample Registration date	28.06.2024	Analysis starting date	29.06.2024
Sample Registration Time	10:00 am	Analysis Completion date	04.07.2027
Sampling done by Customer		Sample Tested As Received Basis	

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	--	6.65	6.50 – 8.50	No relaxation
2.	Conductivity at 25°C	IS: 3025 Part 14 2013, RA-2019	µmhos/cm	144	--	--
3.	Total Dissolved Solids	IS: 3025 Part 16:2023	mg/L	90	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	40	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	30	200 max	600 max
9.	Calcium as Ca	IS: 3025 Part 40 1991, RA-2019	mg/L	08	75 max	200 max
10.	Magnesium as Mg	IS: 3025 Part 46 1994, RA-2019	mg/L	4.8	30 max	100 max
11.	Chloride as Cl	IS: 3025 Part 32 1988, RA-2019	mg/L	25	250 max	1000 max
12.	Sodium as Na	IS: 3025 Part 45 1993, RA-2019	mg/L	13.8	---	---
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 SO ₄ E, 2023	mg/L	5.1	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	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
3.	E. Coli	IS: 15185: 2016, RA-2021	CFU/100mL	Not Detected	

Note: Above the tested results are well within the limits which are covered as per IS 10500:2012 Drinking Water Specifications.

Sr. Chemist	Sr. Microbiologist	Technical Manager – T. Laxmikanth Reddy

VLQM/7. 8/TR