



Ramanagara District Water Quality Testing Laboratory

Office of Executive Engineer, Rural Drinking Water & Sanitation Division,
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TEST REPORT					
Address of the sampling location: Kendriya Vidyalaya School Channapattana, Ramanagara District.			Report date: 01.06.2023		
			Reference: Sample receipt Form		
			Sample receipt date: 30.05.2023		
			Sample code: RNC23MAY014P		
			Date of Sample collection: 30.05.2023		
			Analysis start date: 30.05.2023		
			Analysis completion date: 31.05.2023		
Sample collection protocol: APHA Method					
Sample Particulars: Borewell Water			Sample quantity: 1 Litre		
Sl.No	Test	Results	Acceptable Limit IS 10500 :2012	Permissible Limit IS 10500 : 2012	Protocol
Description: Colourless liquid.					
1.	pH Value @25 °C	7.64	6.5 - 8.5	No relaxation	IS 3025 (Part-11) : 2022
2.	Electrical Conductivity, $\mu\text{S}/\text{cm}$ @25 °C	1133	-	-	IS 3025 (Part-14) : 2013
3.	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5 & 6):2018
4.	Colour, Hazen Units	05	5	15	IS 3025 (Part-4) :2021
5.	Turbidity, NTU	< 0.5	1	5	IS 3025 (Part-10) : 1984
6.	Total Dissolved Solids @ 180°C, mg/l	636	500	2000	IS 3025 (Part-16) : 1984
7.	Alkalinity as CaCO_3 , mg/l	323.20	200	600	IS 3025 (Part-23) : 1986
8.	Total Hardness as CaCO_3 , mg/l	363.45	200	600	IS 3025 (Part-21) : 2009
9.	Calcium as Ca, mg/l	70.30	75	200	IS 3025 (Part-40) : 1991
10.	Magnesium as Mg, mg/l	45.61	30	100	IS 3025 (Part-46) : 1994
11.	Chloride as Cl, mg/l	80	250	1000	IS 3025 (Part-32) : 1988
12.	Sulphate as SO_4 , mg/l	6.67	200	400	IS 3025 (Part-24/Sec 1) : 2022
13.	Fluoride as F, mg/l	0.10	1	1.5	APHA 23 rd Edition 4500- F D
14.	Nitrate as NO_3 , mg/l	7.57	45	No relaxation	APHA 23 rd Edition 4500- NO_3 B
15.	Iron as Fe, mg/l	< 0.1	1	No relaxation	IS 3025 (Part-53) : 2003
Remarks: The given sample conforms to the permissible limits of IS 10500 : 2012 Drinking Water Specification for the above tested parameters only.					
Analyzed By		RDWSD Water Quality Lab Ramanagara.		Authorized Signatory	
<i>Amber Fadnis</i> Junior Analyst				<i>Deepika</i> Technical Manager	

Note:

RDWSD/WQMSP/TeR/01

- 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

-:End of Report:-