

ENVIRONMENT LABORATORY

465 Approved by: Kerala State Pollution Control Board

Approval No.: PCB/CL/RL/34/2023

No. IRTC/311/ENVL/ WS240984/24

WATER QUALITY ANALYSIS REPORT

Name and Address of the Client	Location/Sample Code	Date of receipt	Source of sample
Principal Kendriya Vidyalaya Ottapalam	Not Given	03/09/2024	Bore Well
		Sample No	Date of report
		WS240984	11/09/2024

Sl. No	Parameter	Unit	Test Result	Acceptable Limit For Drinking Water as per IS 10500:2012
01	pH @ 25°C	-	7.8	6.5-8.5
02	EC @ 25°C	µs/cm	310	-
03	TDS	ppm	163	500 (max)
04	Turbidity	NTU	4.8	05 (max)
05	Alkalinity as mg CaCO ₃ / L	mg/L	150	200 (max)
06	Chloride	mg/L	8.5	250 (max)
07	Total Hardness as mg CaCO ₃ / L	mg/L	160	200 (max)
08	Calcium	mg/L	25	75 (max)
09	Magnesium	mg/L	24	30 (max)
10	Fluoride	mg/L	0.7	1.0 (max)
11	Total Iron	mg/L	0.3	0.3 (max)
12	Sulphate	mg/L	<1	150 (max)
13	Nitrate	mg/L	1	45 (max)
14	Total Coliform	MPN/100 ml	Absent	Absent /100ml
15	E.coli	-	Absent	Absent/100ml

Tested in accordance with : APHA, AWWA, WEF 2017

- EC - Electrical Conductivity, TDS - Total Dissolved Solids, NTU-Nephelometric turbidity unit, MPN- Most Probable Number. µs-Micro siemens, BIS-Bureau of Indian Standards, mg/L- milligram per litre
- Coliform & E. coli should not be present in 100 ml of sample as per BIS standard.

Disclaimer: The sample was taken and brought to the lab by the person with name and address mentioned above and not by IRTC.

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