

ENVIRONMENT LABORATORY

Approved by: Kerala State Pollution Control Board

Approval No.: PCB/LAB/02/2005

No. IRTC/311/ENVL/ WS260705/26

WATER QUALITY ANALYSIS REPORT

Name and Address of the Client	Location/ Code	Date of receipt	Source of sample
Principal KEM Secondary School Banglawkunnu, Kongad, Palakkad	Not Given	09/06/2026	Bore well
		Sample No	Date of report
		WS260705	16/06/2026

Sl. No	Parameter	Unit	Test Result	Acceptable Limit For Drinking Water as per IS 10500:2012	Test Method
01	pH @ 25°C	-	7.2	6.5-8.5	IS 3025(Part 11):2022
02	EC @ 25°C	µs/cm	210	-	IS 3025(Part 14):2013
03	TDS	ppm	109	500 (max)	IS 3025(Part 16):2023
04	Turbidity	NTU	0.5	05 (max)	IS 3025(Part 10):2023
05	Alkalinity as mg CaCO ₃ / L	mg/L	90	200 (max)	IS 3025(Part 23):2023
06	Chloride	mg/L	4	250 (max)	IS 3025(Part 32):1988
07	Total Hardness as mg CaCO ₃ / L	mg/L	76	200 (max)	IS 3025(Part 21):2009
08	Calcium	mg/L	19	75 (max)	IS 3025(Part 40):1991
09	Magnesium	mg/L	7	30 (max)	IS 3025(Part 46):2023
10	Fluoride	mg/L	0.1	1.0 (max)	IS 3025(Part 60):2008
11	Total Iron	mg/L	0.05	0.3 (max)	IS 3025(Part 14):2013
12	Sulphate	mg/L	<1	150 (max)	IS 3025(Part 24):2022
13	Nitrate	mg/L	0.4	45 (max)	APHA, AWWA, WEF 2017
14	Total Coliform	MPN/100ml	170	Shall not be detected /100ml	APHA, AWWA, WEF 2017
15	E.coli	-	Absent	Shall not be detected /100ml	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 liter.
- Coliform & E. coli should not be present in 100 ml of sample

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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Chemist




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Microbiologist


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No. IRTC/311/ENVL/ WS260783/26

WATER QUALITY ANALYSIS REPORT

Name and Address of the Client	Location/ Code	Date of receipt	Source of sample
Principal KEM Secondary School, Banglawkunnu, Kongad, Palakkad	Not Given	24/06/2026	Bore Well
		Sample No	Date of report
		WS260783	29/06/2026

Sl. No	Parameter	Unit	Test Result	Acceptable Limit For Drinking Water as per IS 10500:2012	Test Method
1	Total Coliform	MPN/100ml	Absent	Shall not be detected /100ml	APHA, AWWA, WEF 2017
2	E.coli	-	Absent	Shall not be detected /100ml	APHA, AWWA, WEF 2017

- MPN- Most Probable Number,
- Coliform & E. coli should not be present in 100 ml of sample

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