

INVENTIUM LABORATORIES AND TRAINING CENTER

APPROVED BY KERALA STATE POLLUTION CONTROL BOARD, APPROVAL NO: PCB/LAB/C03/2023

17/432 (6), ANR COMPLEX, OPP. TOWN RAILWAY STATION PALAKKAD, KERALA, PIN:678001

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TEST REPORT

REPORT NUMBER: INV/204/2026

REPORT DATE: 11-05-2026

SAMPLE RECEIVED FROM: St Xavier's Central School

SAMPLE CODE: INV05/W185/2026

Mangalam Dam, Palakkad

SAMPLE RECEIPTDATE: 09-05-2026

Pin: 678706

PERIOD OF ANALYSIS: 09-05-2026 - 11-05-2026

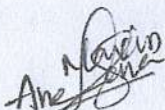
Ph: 9544398073

SOURCE OF SAMPLE: Filter Water

Sl. No	Parameter	Unit	Acceptable Limit As per IS 10500 - 2012	Test Method	Test Report
1	Ph	-	6.5-8.5	IS:3025 (Part11)	7.28
2	Odour	-	-	IS:3025 (Part5)	Agreeable
3	Conductivity	µs/cm	500	APHA (2510 B)	50.0
4	Total dissolved solids	ppm	500	IS 3025 (Part16)	29.0
5	Turbidity	NTU	5	APHA (2130 B)	0.00
6	Total hardness as CaCO ₃	Mg/L	200	APHA (2340 C)	5.97
7	Calcium as Ca	Mg/L	75	APHA (3500-Ca B)	1.60
8	Magnesium as Mg	Mg/L	30	APHA (3500-Mg B)	0.48
9	Total alkalinity as CaCO ₃	Mg/L	200	APHA (2320 B)	20.0
10	Chloride	Mg/L	250	APHA (4500-Cl ⁻ B)	5.79
11	Fluoride	Mg/L	1	APHA (4500-F) D	0.02
12	Iron	Mg/L	0.3	APHA (3500-Fe B)	0.04
13	Sulphate	Mg/L	200	APHA (4500-SO ₄ ²⁻ E)	2.14
14	Total Coliforms	CFU/100ml	NIL	IS 1622.1981	190

•EC-Electrical Conductivity, TDS - Total Dissolved Solids, µS Micro Siemens, NTU -Nephelometric Turbidity Unit, BIS-Bureau of Indian Standards, CFU- Colony Forming Units, TNTC- Too Numerous To Count.

•Coliform should not be present in 100ml of sample as per BIS standard


Analyst





Authorized Signatory

Disclaimer: The sample was taken by sampler and was brought to the lab by the person mentioned above and not by INVENTIUM labs, Palakkad.