



KERALA WATER AUTHORITY

QUALITY CONTROL DISTRICT LAB, PALAKKAD-1

Phone: 0491 - 2545550

REPORT ON ANALYSIS OF WATER

94

I. Name & Address : *Kuttikode English Medium Central School, Thrikkadiri* III. Date of Collection : *23/6/20*
 II. Date of Testing : *07/07/20* IV. Sample is collected by : *Posty*

Specification BIS 10500:2012

Sl. No.	Characteristics	Unit	Acceptable Limit	Permissible Limit	Actual Contents / Samples	
					1	2
PHYSICAL PARAMETERS						
1.	Turbidity	NTU	1	5	1.9	
2.	Electrical Conductivity	Micro mhos/cm			486	
	pH		6.5 to 8.5	No. Relaxation	7.0	
	Total Dissolved Solids	mg/litre	500	2000	272.1	
CHEMICAL PARAMETERS						
5.	Acidity	mg/litre			6	
6.	Alkalinity	mg/litre	200	600	56	
7.	Total Hardness (as Ca CO ₃)	mg/litre	200	600	164	
8.	Calcium (as Ca)	mg/litre	75	200	32	
9.	Magnesium (as Mg)	mg/litre	30	100	20.4	
10.	Chloride (as Cl)	mg/litre	250	1000	20	
11.	Fluoride	mg/litre	1.0	1.5	3.02	
12.	Iron (as Fe)	mg/litre	0.3	1.0	0.5	
13.	Nitrate (as NO ₃)	mg/litre	45	100	0.08	
14.	Sulphate (as SO ₄)	mg/litre	200	400	24.3	
15.	Dissolved Oxygen	mg/litre				
16.	Biochemical Oxygen Demand (BOD)	mg/litre				
17.	Chemical Oxygen Demand (COD)	mg/litre				
18.	Residual Chlorine (Min)	mg/litre	0.2	1		
19.	Phosphate (as PO ₄)	mg/litre				
20.	Manganese	mg/litre	0.1	0.3		
21.	Others					
BACTERIOLOGICAL ANALYSIS						
22.	Coliforms	No. of Coliforms/100ml	Shall not be detectable in any 100ml sample		210	
23.	Echerichia Coli	No. of E Coli/100ml			0	

24. Remarks

Coliform bacteria present. Turbidity above acceptable but within permissible limit.

Posty
 PRINCIPAL
 KUTTIKODE ENGLISH MEDIUM CENTRAL SCHOOL
 CBSE AFFILIATION NO: 931117
 KUTTIKODE, THRIKKADIRI (P.O) - PALAKKAD

MANAGER,
 KEMC SCHOOL
 Kuttikode, Thrikkadiri

Posty
 Signature of Assistant Executive Engineer
 Date:

ASSISTANT ENGINEER
 QUALITY CONTROL DISTRICT LAB
 KERALA WATER AUTHORITY