

Ref. No. 511
6/19

KERALA WATER AUTHORITY

QUALITY CONTROL SUB DIVISION, THRISSUR-5

Phone: 0487 - 2338380

REPORT ON ANALYSIS OF WATER

31

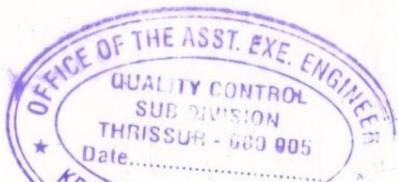
I. Name & Address : St. Raphael's public school, Kallur East, Thrissur III. Date of Collection : 25/6/19
 II. Date of Testing : 25/6/19 - 1/7/19 IV. Sample is collected by : The party

Specification BIS 10500:2012

Sl. No.	Characteristics	Unit	Acceptable Limit	Permissible Limit	Actual Contents / Samples	
					1	2
PHYSICAL PARAMETERS						
1.	Turbidity	NTU	1	5	0.9	
2.	Electrical Conductivity	Micro mhos/cm			148	
3.	pH		6.5 to 8.5	No. Relaxation	6.1	
4.	Total Dissolved Solids	mg/litre	500	2000	81	
CHEMICAL PARAMETERS						
5.	Acidity	mg/litre			26	
6.	Alkalinity	mg/litre	200	600	18	
7.	Total Hardness (as Ca CO ₃)	mg/litre	200	600	22	
8.	Calcium (as Ca)	mg/litre	75	200	5.6	
9.	Magnesium (as Mg)	mg/litre	30	100	1.9	
10.	Chloride (as Cl)	mg/litre	250	1000	36	
11.	Fluoride	mg/litre	1.0	1.5	0.06	
12.	Iron (as Fe)	mg/litre	0.3	1.0	0.07	
13.	Nitrate (as NO ₃)	mg/litre	45	100	13.7	
14.	Sulphate (as SO ₄)	mg/litre	200	400	1.6	
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		Nil	
23.	Echerichia Coli	No. of E Coli/100ml			Nil	

24. Remarks

Low pH



Signature of Assistant Executive Engineer/Assistant Engineer

ASSISTANT ENGINEER
QUALITY CONTROL SUB DIVISION