



# KERALA WATER AUTHORITY

QUALITY CONTROL DISTRICT LABORATORY, THRISSUR - 680 005

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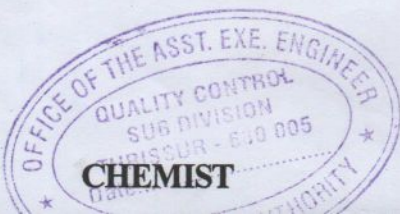
## REPORT ON ANALYSIS OF WATER

Name & Address	Sree Narayana Vidhyamandir Central School - Kudaly.		Ref. No.
			201 7/21
Source of Sample	open well		
Date of Collection	22/7/21	Date of testing	22/7/21 - 29/7/21
Receipt No. & Date	0587608		

Specification : BIS 10500:2012

Sl No.	Characteristics	Method of test, Ref to Part of IS 3025	Acceptable Limit	Permissible limit in the Absence of Alternate Source	Actual Contents
<b>PHYSICAL PARAMETERS</b>					
1	Turbidity, NTU, Max	Part 10	1	5	0.7
2	Electrical Conductivity, m mhos/cm	Part 14			883
3	pH value	Part 11	6.5-8.5	6.5-8.5	7.6
4	Total Dissolved Solids [TDS], mg/l, Max	Part 16	500	2000	485
<b>CHEMICAL PARAMETERS</b>					
5	Acidity, mg/l	Part 22			44
6	Alkalinity [Total], mg/l, Max	Part 23	200	600	150
7	Total Hardness (as CaCO <sub>3</sub> ) mg/l, Max	Part 21	200	600	256
8	Calcium [as Ca], mg/l, Max	Part 40	75	200	72.9
9	Magnesium [as Mg], mg/l, Max	Part 46	30	100	17.9
10	Chloride [as Cl], mg/l, Max	Part 32	250	1000	176
11	Fluoride [as F], mg/l, Max	Part 60	1	1.5	0.45
12	Iron [as Fe], mg/l, Max	Part 53	1	1	0.03
13	Nitrate [as NO <sub>3</sub> ], mg/l, Max	Part 34	45	45	0
14	Sulphate [as SO <sub>4</sub> ], mg/l, Max	Part 24	200	400	0.37
15	Residual Chlorine, mg/l, Min	Part 26	0.1	0.3	T
16	Manganese [as Mn] mg/l, Max	Part 59	0.1	0.3	T
17	Dissolved Oxygen, mg/l, Max				
18	Biochemical Oxygen Demand (BOD), mg/l				
19	Chemical Oxygen Demand (COD), mg/l				
20	Phosphate [as PO <sub>4</sub> ] mg/l, Max				
21	Others				
<b>BACTERIOLOGICAL ANALYSIS</b>					
1	Coliforms, No. of Coliforms/100ml		Shall not be detectable in any 100 ml sample		NIL
2	E.Coli, No. of E. Coli/100ml				Absent.

REMARKS:- Total Hardness are above the limit.



*[Signature]*

ASSISTANT ENGINEER