

**KSPCB APPROVAL NO:- C 41/ 2021**

## WATER ANALYSIS REPORT

<b>Report No:-UBL /515</b>	<b>Date :-16/02/2023</b>
<b>Clint Name:-Fathimagiri English School</b>	<b>Source of sample :-Open Well</b>
<b>Address:-Chandakkunnu</b>	<b>Sample Container :- 1L PB,100ml ssc</b>
<b>Phone No:-9495222793</b>	<b>Sample Collected By :-HI Nilambur</b>
	<b>Sample delivered by:- HI Nilambur</b>
<b>Type of Analysis: Physical Chemical &amp; Microbiological</b>	<b>Date of sampling :-16/02/2023</b>
	<b>Date of receipt : 16/02/2023</b>
	<b>Period of analysis:-16/02/2023-17/02/2023</b>

Sl No	Parameters	Test Method APHA	Result	Unit	Acceptable limit IS 10500:2012	Permissible limit in the absence of alternate sources
<b>PHYSICAL</b>						
1.	Color	2120b		Hazen	Maximum 5	15
2.	Taste & Odor	2150A&2160A		a--	Agreeable	No Relaxation
3.	Turbidity	2130B	0.3	NTU	Maximum1	5
4.	Electrical Conductivity @25°C	2510B	13	µS/CM	No Limit	No Limit
<b>CHEMICAL</b>						
5.	Total dissolved solids- TDS	2540C	8	Mg/L	Maximum 500	2000
6.	PH @ 25°C	4500 H+B	6.15	--	6.5 - 8.5	No relaxation
7.	Total Alkalinity	2320B	4	Mg/L	Maximum200	600
8.	Total Hardness	2340C	4	Mg/L	Maximum200	600
9.	Calcium Hardness	3500Ca B	2	Mg/L	No limit	No limit
10.	Magnesium Hardness	3500 Mg B	2	Mg/L	No limit	No limit
11.	Calcium	3500 Ca B	0.8	Mg/L	Maximum75	200
12.	Magnesium	3500 Mg B	0.48	Mg/L	Maximum 30	100
13.	Chloride	4500 Cl B	3.6	Mg/L	Maximum 250	1000
14.	Sulphate	4500 SO <sub>4</sub> E	BDL	Mg/L	Maximum200	400
15.	Nitrate as NO <sub>3</sub>	4500 NO <sub>3</sub> B	BDL	Mg/L	Maximum 45	No Relaxation
16.	Ammonia as NH <sub>3</sub>	4500 NH <sub>3</sub> F	BDL	Mg/L	Maximum0.50	No Relaxation
17.	Iron	3500 Fe B	BDL	Mg/L	Maximum 1.00	No Relaxation
<b>MICRO BIOLOGICAL</b>						
18.	Total coliforms	9222 B	Absent	Cfu/100ml	Shall be absent	No Relaxation
19.	Fecal Coliforms	9222 D	Absent	Cfu/100ml	Shall be absent	No Relaxation

**Note :This report is of the sample tested only and shall not be reproduced except in full**

**Remarks : The water sample tested shows deviation from acceptable limits for PH**