

### WATER ANALYSIS REPORT

<b>Name &amp; Address:</b> <b>ORPHANAGE ENGLISH</b> <b>MEDIUM SCHOOL- PALAD</b> <b>MANIMOOLI POST</b> <b>MALAPPURAM (D)</b> <b>KERALA</b>	<b>Report No:</b>	<b>001857</b>
	<b>Report Date:</b>	17/05/2024
	<b>Sample Source:</b>	Open Well
	<b>Sample Container:</b>	Sterilized Container
	<b>Collection Date:</b>	13/05/2024
	<b>Segment:</b>	Educational institution
	<b>Test Type:</b>	General
	<b>Collected by:</b>	Party

Sl. No.	Characteristics	Method (APHA)	Acceptable limits (IS 10500:2012)	Permissible limits in the absence of alternate sources	Results	Unit
1	Turbidity	2130 B	1.0	5.0	1.2	NTU
2	Taste	2160 A	Agreeable	Agreeable	Agreeable	
3	Colour	2120 B	5.0	15.0	-	Hazen
4	Odor	2160 A	Unobjectionable	Unobjectionable	Unobjectionable	
5	pH	4500 H <sup>+</sup> B	6.5-8.5	6.5-8.5	7.89	
6	Electrical conductivity	2510 B			270	μS/cm
7	Total dissolved solids	2540 C	500	2000	147	mg/litre
8	Alkalinity (Total)	2320 B	200	600	95	mg/litre
9	Total Hardness (as CaCO <sub>3</sub> )	2340 C	200	600	95	mg/litre
10	Calcium hardness	3500 Ca B	75	200	61	mg/litre
11	Chloride	4500 Cl <sup>-</sup> B	250	1000	19.9	mg/litre
12	Calcium	3500 Ca B	75	200	24.4	mg/litre
13	Iron	3500 Fe B	0.3	1.0	0.07	mg/litre
14	Sulphate	4500 SO <sub>4</sub> E	200	400	22	mg/litre
15	Magnesium	3500 Mg B	30	100	8.2	mg/litre
<b>Bacteriological Parameters:</b>						
16	Total Coliforms	9222B	Nil/100 ml	Nil/100 ml	Nil	CFU/100ml
17	Fecal Coliforms	9222D	Nil/100 ml	Nil/100 ml	Nil	CFU/100ml
18	<i>E. coli</i>	9222 D	Nil/100 ml	Nil/100 ml	Nil	CFU/100ml

**NOTES ON ANALYSIS:** Coliform not present, pH is normal. Other physical and chemical parameters are within the limits.




**ANALYST INCHARGE**  
**QUALITY CONTROL DIVISION**  
**bet lab**  
**MALAPPURAM**