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Report No. 19101/21-ERTL

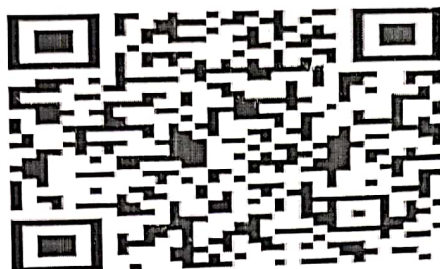
DRINKING WATER ANALYSIS REPORT

15/01/2021

1. Name & Address of Industry/Institute : Vinayak International School,
Kisanpur, Faridpur Bareilly
2. Nature of Sample : Drinking water
3. Sample Collected by : Mr. Anoop Gupta
4. Date of Collection : 04.01.2021
5. Date of Analysis : 15.01.2021

S. No.	PHYSICAL PARAMETERS	UNITS	OBSERVED VALUE	STANDARDS (IS 10500-2012)	
				Desirable Limit	Permissible Limit
1	Colour, units	Hazen	Colourless	7	-
2	Odour	Agreeable	Odourless	Agreeable	Agreeable
3	Temperature	$^{\circ}\text{C}$	18.6	-	-
4	Turbidity	NTU	0.3	1	-
5	Conductivity at 25°C	$\mu\text{mho}/\text{cm}$	545.0	-	-
CHEMICAL PARAMETERS					
6	pH	-	7.71	6.5 to 8.5	No Relaxation
7	Suspended Solids	mg/l	Nil	-	-
8	Dissolved Solids	mg/l	242.0	500	2000
9	Total Solids	mg/l	242.0	-	-
10	Alkalinity due to Phenolphthalein (as CaCO_3)	mg/l	Nil	-	-
11	Alkalinity due to Methyl Orange (as CaCO_3)	mg/l	125.0	200	600
12	Total hardness (as CaCO_3)	mg/l	270.0	200	600
13	Calcium as CaCO_3	mg/l	226.0	-	-
14	Magnesium as CaCO_3	mg/l	58.0	-	-
15	Calcium as Ca^{++}	mg/l	82.5	75	200
16	Magnesium (as Mg^{++})	mg/l	13.72	30	100
17	Chlorides (as Cl)	mg/l	26.0	250	1000
18	Sulphates (as SO_4)	mg/l	5.80	200	400
19	Phosphate (as PO_4) mg/l	mg/l	Nil	-	-
20	Fluoride (as F) mg/l	mg/l	0.19	1.0	-
21	Nitrate (as NO_3)	mg/l	1.21	45	No Relaxation
22	Iron (Fe)	mg/l	0.011	0.3	No Relaxation
BACTERIOLOGICAL PARAMETERS					
23	Total Coliform	MPN/100	Absent	Absent	-
24	E. Coli	MPN/100	Absent	Absent	-

Note : The Water is Suitable for Drinking Purposes.




Lab Chemist


Manager
(Laboratory)