

**TEST REPORT**

<b>Customer Details:</b> M/s. VIDYA NIKETAN HIGH SCHOOL BAHEMI EDUCATIONAL BOARD H.No 2-53, Narsannapally, Patharajampet, KAMAREDDY-503102		<b>Registration No.:</b>	LL/2024/2602/01
		<b>Sample Receipt Date:</b>	26.02.2023
		<b>Test Report No:</b>	24/2602/01
<b>Mobile No</b>	9666637363	<b>Report Issue date:</b>	01.03.2024
<b>Analysis Starting Date:</b>	26.02.2024	<b>Quantity Received:</b>	1.5 ltrs
<b>Analysis Completion Date:</b>	01.03.2024	<b>Sample condition on Receipt:</b>	Fit for analysis
<b>Sample Particulars:*</b> - Drinking water			
<b>Discipline:</b> Chemical & Biological			
<b>Group:</b> Water			

**TEST RESULTS**

S. No.	Test Parameter	UOM	Test Method	Requirements as per IS 10500:2012	Results
<b>Chemical Parameters</b>					
1	pH @25°C	--	4500 H <sup>+</sup> B, APHA 24 <sup>th</sup> Edition 2023	6.5 – 8.5	7.52
2	Color	CU	2120 B, APHA 24 <sup>th</sup> Edition 2023	5 - 15	<5
3	Electrical Conductivity	uS/cm	2510 B, APHA 24 <sup>th</sup> Edition 2023	Not Specified	420
4	Turbidity	NTU	2130 B, APHA 24 <sup>th</sup> Edition 2023	1 - 5	<1
5	Total Dissolved Solids	mg/L	2540 C, APHA 24 <sup>th</sup> Edition 2023	500 – 2000	186
6	Total Hardness as CaCO <sub>3</sub>	mg/L	2340 C, APHA 24 <sup>th</sup> Edition 2023	200 - 600	132
7	Non Carbonate Hardness as CaCo3	mg/L	IS 3025:2019 Part 21	Not Specified	20
8	Calcium as Ca	mg/L	3500- Ca, B APHA 24 <sup>th</sup> Edition 2023	75 - 200	32
9	Magnesium as Mg	mg/L	3500 mg, B APHA 24 <sup>th</sup> Edition 2023	30 - 100	12.6
10	Phenolphthalein Alkalinity as CaCo3	mg/L	2320 B, APHA 24 <sup>th</sup> Edition 2023	Not Specified	<1.0
11	Total Alkalinity as CaCO <sub>3</sub>	mg/L	2320 B, APHA 24 <sup>th</sup> Edition 2023	200 – 600	112
12	Chlorides as Cl	mg/L	4500 Cl-, B APHA 24 <sup>th</sup> Edition 2023	250 – 1000	47
13	Sodium as Na	mg/L	3500 Na B, APHA 24 <sup>th</sup> Edition 2023	Not Specified	35
14	Potassium as K	mg/L	3500 K B, APHA 24 <sup>th</sup> Edition 2023	Not Specified	<1
15	Sulphates as SO <sub>4</sub>	mg/L	4500- SO <sub>4</sub> <sup>2-</sup> E, APHA 24 <sup>th</sup> Edition 2023	200 - 400	26
16	Nitrates as NO <sub>3</sub>	mg/L	4500 NO <sub>3</sub> , APHA 24 <sup>th</sup> Edition 2023	45	02
17	Silica as SiO <sub>2</sub>	mg/L	IS : 3025:1988 Part 35	Not Specified	1.9
18	Iron as Fe	mg/L	3500 Fe, B APHA 24 <sup>th</sup> Edition 2023	0.3	<0.1
19	Fluoride as F	mg/L	4500 F-, D APHA 24 <sup>th</sup> Edition 2023	1.0 – 1.5	0.33
<b>Biological Parameters</b>					
1	Heterotrophic Plate Count	CFU/mL	9215 C, APHA 24 <sup>th</sup> Edition 2023	Shall not exceed 100/mL	<10
2	Total Coliforms	MPN/100mL	9221 B, APHA 24 <sup>th</sup> Edition 2023	Shall be Absent/100ml	<1.8
3	<i>Escherichia Coli</i>	Per 100 mL	9221 F, APHA 24 <sup>th</sup> Edition 2023	Shall be Absent	Absent

UOM: Unit of Measurement

- Note:** 1) The above results relate only to the sample tested.  
 2) Test report shall not be reproduced except in full without approval of the laboratory.  
 3) \*- Details provided by the customer

01/03/2024  
 Authorized Signatory  
 (Chemical parameters)  
 B.Gowthami  
 Chemical Lab Manager

Authorized Signatory  
 (Biological parameters)  
 P Shiva Krishna  
 Lab Head

\*\*\*\*\*END OF THE REPORT\*\*\*\*\*