

**Public Health Engineering Department District Water-
Testing Laboratory Gwalior**

Test Report

Type of sample: Water Sample		Particular of sample : collected/ not collected by PHED	
Particular of sender: <i>Principal Carmel convent Sr. Sec. School</i>			
Sample No.	Place of Collection and Details of Sample	Date of collection	
1	<i>Bore well</i>	<i>06.02.2024</i>	
2	-	-	
3	-	-	
4	-	-	
Particular of Sample :			
Date of Receipt: <i>06.02.2024</i>		Time of Receipt: <i>01:35 PM</i>	
Lab Reference No: -		Date of Analysis: <i>06.02.2024</i>	

Nature of Study – Chemical and Bacteriological Analysis

S.N.	Characteristics	Unit	As Per BIS-10500-2012 For Drinking Water		RESULT			
			Acceptable Value	Permissible limit in the absence of alternate source	Sample 1	Sample 2	Sample 3	Sample 4
PHYSICAL TESTE								
1	Turbidity	NTU	1.0	5.0	<i>2.3</i>			
2	Color	Cobalt	5	15	-			
3	Taste & Odour		Unobjectionable	Objectionable	<i>Unobject.</i>			
4	Temperature	C°			-			
CHEMICAL TESTE								
5	PH Value	PH Scale	6.5 To 8.5	No Relaxation	<i>7.1</i>			
6	Alkalinity	Mg/L	200	600	<i>350</i>			
7	Chlorides (as Cl)	Mg/L	250	1000	<i>110</i>			
8	Nitrate as No3	Mg/L	45	45	<i>1741</i>			
9	Total hardness	Mg/L	200	600	<i>490</i>			
10	Calcium as Ca	Mg/L	75	200	<i>156</i>			
11	Magnesium as mg	Mg/L	30	100	<i>24</i>			
12	Iron	Mg/L	0.3	1.0	<i>0.31</i>			
13	Free Chlorine	Mg/L	0.2	1.0	-			
14	T.D.S.	Mg/L	500	2000	<i>741</i>			
15	Fluoride	Mg/L	1.0	1.5	<i>0.34</i>			
16	Sulphate sa SO4	Mg/L	200	400	<i>35</i>			
BECT. FEACAL TESTE								
17	MPN of coliform	per 100 ml		Nil	<i>Nil</i>			
18	Faecal Coliform	Per 100 ml		Nil	<i>Nil</i>			

- This report should not be provided partially or fully without approval of signatory authorities for legal purposes.
- It is Recommended that acceptable limit is to be implemented values in excess those mentioned under "Acceptable" render the water not suitable, but still may be tolerated in the absence of an alternative source, but up to the limits indicated under the "permissible limit in the absence of alternate Source"
- The results refer only to tested samples and parameters tested.
- samples will be stored for a period of 10 days from the date of issue of report.
- This Lab does not hold any responsibility for variation in results for samples kept on hold for want of clarification

[Signature]
Signature of Analyst
 District Water Testing Lab
 P.H.E. Division Gwalior
 No. 227 / PHED/ Date :- 07/02/2024

[Signature]
Lab Incharge
 District Water Testing Laboratory (M.P.)
 P.H.E. Division, Gwalior (M.P.)
PRINCIPAL