

**QUALITY CONTROL (WATER) LABORATORY**  
**NAGAR NIGAM, Arera Hills, Bhopal.(M.P.) 462003**

ANALYSIS REPORT			
Kind of sample- WATER SAMPLE			
PARTICULARS OF SENDER – ST. RAPHAEL CO-ED SCHOOL BHOPAL M.P			
Ref - Q		Date- 24.02.2021	
PARTICULARS OF SAMPLE			Not collected by Nagar Nigam
	Place of collection and details of sample	Date	
1	ST. RAPHAEL CO-ED SCHOOL JATKHEDI BHOPAL	WATER SAMPLE 24.02.2021	
2			
3			
4			
PARTICULARS TO BE FILLED IN THE LABORATORY			
Date of Receipt - 24.02.2021		Lab. Reference No	
		Tested on.24.02.2021	

**NATURE OF STUDY - CHEMICAL ANALYSIS**

NATURE OF STUDY - CHEMICAL ANALYSIS								
No.	Characteristics	Unit	As Per BIS -10500:2012 For Drinking Water		Results			
			Requirement ( Desirable Limit )	Permissible Limit in the absence of Alternate Source	Sample 1	Sample 2	Sample 3	Sample 4
PHYSICAL TEST								
1	Temperature	°C	-----	-----	27.2			
2	Turbidity	NTU	1.0	5.0	1.0			
3	Colour	Hazen Units	5	15	NIL			
4	Odour	-----	Agreeable	Agreeable	NIL			
ROUTINE CHEMICAL TEST								
5	PH	PH scale	6.5 to 8.5	6.5 to -8.5	7.10			
6	Conductivity at 25°C	Micromhos per cm. <sup>2</sup>	-----	-----	-			
7	Phenolphthalein Alkalinity	Mg / l	-----	-----	-			
8	Total Alkalinity as CaCO <sub>3</sub>	Mg / l	200	600	48			
9	Chloride as Cl	Mg / l	250	1000	34			
10	Nitrate as NO <sub>3</sub>	Mg / l	45	45	NIL			
11	Total Hardness as CaCO <sub>3</sub>	Mg / l	200	600	40			
12	Calcium as Ca++	Mg / l	75	200	8			
13	Magnesium as Mg++	Mg / l	30	100	4.8			
14	Total Solids	Mg / l	500	2000	-			
15	Total Dissolved Solids	Mg / l	500	2000	44			
16	Suspended Solids	Mg / l	-	-	-			
17	Sulphate as SO <sub>4</sub>	Mg / l	200	400	06			
18	Residual Chlorine	Mg / l	0.2	1.0	-			
19	iron		0.1	1.0	NIL			
NATURE OF STUDY - BACTERIOLOGICAL ANALYSIS								
20	MPN	Per 100 ml	Nil (for treated water or water in distribution system)		220	-	-	-
21	E-coli or Thermo Tolerant Coliform	Per 100 ml	Nil		-	-	-	-

NOTE:- It is recommended that acceptable limit is to be implemented. Values in excess of those mentioned under "acceptable" render the water not suitable, but still may be tolerated in the absence of an alternative source but upto the limits indicated under the "permissible limit in the absence of alternate source" in column 4, above which the sources will have to be rejected.

Chemist's signature

Remarks if any

INCHARGE  
 5MGD FILTER PLANT LABORATORY  
 NAGAR NIGAM Bhopal.(M.P.) 462003

No. \_\_\_\_\_ /Lab./Nagar Nigam/BPL Date