

DISTRICT WATER TESTING LABORATORY,
OFFICE OF SENIOR GEOLOGIST,
GROUNDWATER SURVEY & DEVELOPMENT AGENCY, WARDHA
In MJP Premises, Sevagram Rly.Station Road,
Wardha-442001
Email ID-districtlabgsda@gmail.com



WATER ANALYSIS REPORT

Test Report No/DWTL/GSDA/Wardha/174/2023

Date :- 06/10/2023

Issued To :		Sample Inward No :456 /2023	Analysis Start : 03/10/2023
PRINCIPAL		Inward Date : 03/10/2023	Analysis End : 06/10/2023
Kendriya Vidyalaya		Reference Letter : 209/2023-24	Sample Category : Water
Taluka - Wardha		Date :25/09/2023	
District - Wardha			
Sample WATER	Sample Source : Tap Water	Sample Particulars / Details : See on page No.-1	Quantity Received: 1 Litter
Sample Collected By : Applicant		Sampling Date : 03.10.2023	Sampling Location : See on page No.-1
		Sampling Time ::7.25AM	
		Environmental Condition Temp. °C -24 Humidity – 56%	
Test required : pH, EC,TDS, TH, F, No3, Fe, CL, SO4, TA, CA, Mg, CO3, HCO3			

Sample Details

Sr No.	Sample Code	Lab Ref. Number	Village	Taluka	District	Source	Source Location
1	S1	DWTL/WR/P-80/10/2023	Wardha	Wardha	Wardha	Tap Water	In School Premises

Sr No	Test Parameter	Measurement Unit	Test Method	Test Result
				S1
1	pH	-	APHA 24 TH EDN, METHOD 4500	7.77
2	Electrical conductivity		APHA 24 TH EDN, METHOD 2510 B	365
3	Total dissolved solid		APHA 24 TH EDN, METHOD 2540 C	252
4	Total hardness	mg/l	APHA 24 TH EDN, METHOD 2340 C	160

Reviewed by

Chemist
DWTL, GSDA, Wardha

Authorised by

Chemist
DWTL, GSDA, Wardha

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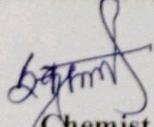
Date :- 06/10/2023

Sr No	Test Parameter	Measurement Unit	Test Method	Test Result
				S1
1	Colour	-	-	Clear
2	Odour	-	-	Not Specific
3	Turbidity	NTU	-	0.3
4	Calcium	mg/l	APHA 24 TH EDN, METHOD 3500 Ca·B	-
5	Magnesium	mg/l	APHA 24 TH EDN, METHOD 4500 Mg B	-
6	Sulphate	mg/l	APHA 24 TH EDN, METHOD 4500 SO ₄ B	2
7	Total Alkalinity	mg/l	APHA 24 TH EDN, METHOD 2320 B	120
8	Carbonate	mg/l	APHA 24 TH EDN, METHOD	-
9	Bi-carbonate	mg/l	APHA 24 TH EDN, METHOD	-
10	Chloride	mg/l	APHA 24 TH EDN, METHOD 4500CL·B	40
11	Fluoride	mg/l	APHA 24 TH EDN, METHOD 4500F·B	0.1
12	Nitrate	mg/l	APHA 24 TH EDN, METHOD 4500NO ₃ ·B	1
13	Iron	mg/l	APHA 24 TH EDN, METHOD 3500 Fe·B	0
	BACTERIOLOGICAL TEST -			
14	Total Coliform	MPN/100 ml		0
15	E.Coli	MPN/100 ml		0

Remark-

1. The results relate only to the samples tested.
2. The report shall not be reproduced except in full, without the written approval of the laboratory.
3. The Sample is collected by the client himself. The laboratory did not perform sample collection.
4. The customer may refer BIS standard given on page 3 to judge Water Quality based on parameter tested.

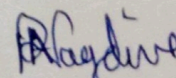
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BIS DRINKING WATER STANDARD
(10500 :2012)

Sr.No.	Characterstics	Acceptable Limit	Permissible Limit in absence of Alternate Source
1	Colour,Hazen Unit	5	15
2	Odour	Agreeable	Agreeable
3	pH	6.5 -8.5	No relaxation
4	Turbidity,NTU	1	5
5	TDS mg/l	500	2000
6	Fluoride mg/l	1	1.5
7	Chloride mg/l	250	1000
8	Iron mg/l	1.0	No relaxation
9	Nitrate mg/l	45	No relaxation
10	Sulphate mg/l	200	400
11	Total Alkalinity(as CaCO ₃)mg/l	200	600
12	Total Hardness (as CaCO ₃)mg/l	200	600
13	Ca mg/l	75	200
14	Mg mg/l	30	100