



PRAYAGRAJ JAL KAL VIBHAG LABORATORY

CHEMICAL ANALYSIS OF WATER

Test Report

S NO

1. Source of sample – Water sample, New Lucknow Public School, प्रपत्र संख्या 558/म.प्र.ज.....

Jugrehli, 4th KM Mile Stone, Banda Road, Baberu, U.P. दिनांक----27/03/2024.

2. Date of Sampling- 17/03/2024 Received

Date of Analysis- 17/03/2024

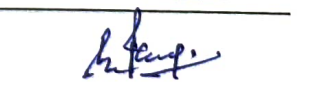
Physico Chemical Parameter	BIS Limits IS 10500 : 2012		Result of test
	Requirement (Desirable Limit) Mg/l	Permissible limit In the absence of Alternate source Mg/l	
4.Total Dissolved solids	500	2000	351
5. Hardness Total as CaCO ₃	200	600	188
6. Hardness Temporary as CaCO ₃	NS	NS	94
7. Hardness Permanent as CaCO ₃	NS	NS	94
8. Chlorine as Chlorides Cl	250	1000	100
9. Total Alkalinity as CaCO ₃	200	600	50
10. Nitrites as NO ₂	NS	NS	NIL
11.Iron as Fe	0.3	No relaxation	NIL
12. Fluoride as F	1.0	1.5	0.8
13.Colour Hazen Unit	5	1.5	Colourless
14. Taste	Agreeable	Agreeable	Net tested
15.Odour	Agreeable	Agreeable	Odourless
16. pH Value	6.5 to 8.5	No relaxation	7.2
17. Conductivity as μ mosh at 20°C	NS	NS	501
18. Turbidity NTU	1	5	1
19. Free Residual Chlorine	0.2	NS	Nil

NS=Not Specified

Remarks

Potable


Chemist


Ex. Engg. (HQ)
Executive Engineer
Jal Nigam
Prayagraj

Copy forwarded for information to

1. The addl. Director, State Health Institute, Sector-C. Chetan Bihar, Aliganj, Lucknow. UP.
2. Chief Medical Officer, Banda.
3. MukhyaNagarSwasthyaAdhikari, Nagar Palika. Banda.
4. Chair personNagarPalika, Banda.
5. The Superintending Engineer (R&D) office of Addl. Chief Engineer (PPR&D), U.P. Jal Nigam, 6 RanaPratapmarg, Lucknow.

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Result of the Bacteriological examination of the Water taken from Water Sample
Name & Designation of the person collecting the sample MR. Umesh Kumar Pandey (PRINCIPAL)

No	Date & time of collection	Date of receipt and inoculation	Source of Sample	Colony Count on agar plate in 1 ml		Presumptive coliform count				Probable No. of coliform organism in 100 ml. of original water	Free residual chlorine mg/l	Remarks
				At 37 ⁰ C in 48 hours	At room temperature in 72 hours	Quantity of water put up in each tube/No. of tubes put up	No. of tube showing positive reaction					
							50 ml.	10 ml.	1 ml.			
1.	17/03/2024	17/03/2024	Water Sample New Lucknow Public School Jugrehli, 4th KM Mile Stone, Banda Road, Baberu, U.P	—	—		0	0	0	0	NIL	Excellent


Chemist


Ex. Engineer (HQ)
Executive Engineer
Jal Nigam
Prayagraj