



कार्यालय महाप्रबन्धक
जलकल विभाग-नगर नियम
1499 प्रयागराज
दिनांक 16/11/2024

PRAYAGRAJ JAL KAL VIBHAG LABORATORY

CHEMICAL ANALYSIS OF WATER

Test Report

Sl. NO

1. Source of sample *water Sample, Rushmore international school, Campus*
2. Date of Sampling *10/11/2024 Received. Abu sa more, Bahadurpur*
3. Date of Analysis *10/11/2024 Sarai nayat Prayagraj*

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 solid	500	2000	486
5. Total Hardness (as CaCO ₃)	200	600	184
6. Sulphate (as SO ₄)	200	400	120
7. Sulphide (as H ₂ S)	0.05	No relaxation	Nil
8. Chloride (as Cl)	250	1000	94
9. Total Alkalinity (as CaCO ₃)	200	600	35.5
10. Nitrite (as NO ₂)	NS	NS	Nil
11. Nitrate (as NO ₃)	45	No relaxation	14
12. Iron (as Fe)	0.3	No relaxation	0.1
13. Fluoride (as F)	1.0	1.5	0.5
14. Colour Hazen Unit	5	15	8
15. Taste	Agreeable	Agreeable	Not tasted
16. Odour	Agreeable	Agreeable	Odourless
17. pH Value	6.5 to 8.5	No relaxation	8.5
18. Ammonia (as total Ammonia -N)	0.5	No relaxation	0.5
19. Dissolved Oxygen	Minimum 5.0	NS	6.5
20. Free Residual Chlorine	0.2	1	Nil
21. Turbidity N.T.U	1	5	1
22. Temperature	NS	NS	26°C
23. Mineral Oil	0.5	No relaxation	Nil
24. Conductivity(as μ S/cm)	NS	NS	1011

NS=Not Specified

Remarks

potable

[Signature]
Chemist

[Signature]

Copy forwarded for information to

- 1 The addl. Director, State Health Institute, Sector-C, Chetan Bihar, Aliganj, Lucknow, U.P.
- 2 Chief Medical Officer, Prayagraj.
- 3 Mukhya Nagar Swasthya Adhikari, Nagar Nigam. Prayagraj.
- 4 Nagar Ayukta, Nagar Nigam, Prayagraj.
- 5 The Suprintending Engineer (R&D) office of Addl. Chief Engineer (PPR&D),U.P. Jal Nigam, 6 Rana Pratap marg, Lucknow.
- 6 Chairman, jalkal Vibhag/Mayor, Nagar Nigam, Prayagraj.

E.E.
अधिरात्री अनियन्ता (मुख्यालय
जलकल विभाग, नगर नियम
प्रयागराज

E.E.