



कार्यालय महाप्रबन्धक  
जलकल विभाग-नगर निगम  
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. At Usa more, Bahadurpur*
3. Date of Analysis *10/11/2024 Sarai ruyat 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 <sub>3</sub> )	200	600	184
6. Sulphate ( as SO <sub>4</sub> )	200	400	120
7. Sulphide ( as H <sub>2</sub> S)	0.05	No relaxation	Nil
8. Chloride (as Cl )	250	1000	94
9. Total Alkalinity (as CaCO <sub>3</sub> )	200	600	355
10. Nitrite (as NO <sub>2</sub> )	NS	NS	Nil
11. Nitrate (as NO <sub>3</sub> )	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 $\mu$ S/cm )	NS	NS	101

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 Jal Kal Vibhag/Mayor Nagar Nigam Prayagraj

E.E.  
अधिराशी अभियन्ता / मुख्यालय  
जलकल विभाग, नगर निगम  
प्रयागराज

*[Signature]*  
PRINCIPAL  
RUSHMORE INTERNATIONAL SCHOOL