



# ALLAHABAD JAL KAL VIBHAG LABORATORY

## CHEMICAL ANALYSIS OF WATER

### Test Report

कार्यवाही सहायक  
जलकल विभाग-नगर निगम  
प्रयागराज  
पत्र संख्या 1985/म.प्र.ज.क.वि./2019 2028  
दिनांक 05/11/2019

Sl. No.

1. Source of Sample *Water Sample: M.V. Convent Inter College Campus*  
 2. Date of Sampling *30-10-19* *Raja Ram Aryamang, Sulero Sarai*  
 3. Date of Analysis *30-10-19* *Prayagraj*

Physico Chemical Parameter	BIS Limit IS 10500 : 1991		Result of Test
	Requirement (Desirable Limit) mg/l	Permissible limit in the absence of alternate source mg/l	
4. Total Dissolved solids	500	2000	343
5. Free and saline Ammonia	NS	NS	—
6. Albuminoid ammonia	NS	NS	—
7. Dissolved Oxygen	min 5.0	NS	—
8. Hardness Total as CaCO <sub>3</sub>	300	600	280
(a) Temporary as CaCO <sub>3</sub>	NS	NS	140
(b) Permanent as CaCO <sub>3</sub>	NS	NS	140
9. Chlorine as Chlorides Cl	250	1000	90
10. Total Alkalinity as CaCO <sub>3</sub>	200	600	45
11. Nitrites as NO <sub>2</sub>	NS	NS	NIL
12. Nitrates as NO <sub>3</sub>	45	100	NIL
13. Iron as Fe	0.3	1.0	0.1
14. Fluoride as F	1.0	1.5	0.6
15. Colour Hazen Unit	5	25	Colourless
16. Taste	Agreeable		Not tasted
17. Odour	Unobjectionable		Odourless
18. pH Value	6.5 to 8.5 No relaxation		7.0
19. Conductivity as μmhos at 20°C	NS	NS	590
20. Turbidity NTU	5	10	1
21. Free Residual Chlorine	0.2	NS	NIL

Remarks *Potable*

*[Signature]*  
Chemist

Chief Chemist

*[Signature]*  
Ex. Engg. (HQ)

End. No.

J.K.I

Dated : Allahabad .....20

**Copy forwarded for information to :**

- The Addl. Director, State Health Institute, Sector-C, Chetan Vihar, Aliganj, Lucknow, U.P.
- Chief Medical Officer, Allahabad.
- Mukhya Nagar Swasthya Adhikari, Nagar Nigam, Allahabad.
- Nagar Ayukta, Nagar Nigam, Allahabad.
- The Superintending Engineer (R & D), Office of Addl. Chief Engineer (PPR & D), U.P. Jal Nigam, 6, Rana Pratap Marg, Lucknow.
- Chairman, Jal Kal Vibhag/Mayor, Nagar Nigam, Allahabad

*[Signature]*  
Ex. Engg (HQ)

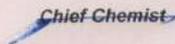
# ALLAHABAD JAL KAL VIBHAG LABORATORY

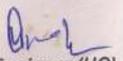
Result of the Bacteriological examination of the Water taken from Water Sample

Name & Designation of the person collecting the sample Mr. Rajendra Prasad, Chemist

S.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°C in 48 hours	At room temperature in 72 hours	Quantity of water put up in each tube/No. of tubes put up	50 ml.	10 ml.				1 ml.			
							1	5				5			
	30/10/19	30/10/2019	Water Sample. M.V. Convent Inter College Campus, Rajaram Arya mang Sulem Sarai Prayagraj							0	0	0	0	Nil	Excellent

  
Chemist

  
Chief Chemist

  
Ex. Engineer (HQ)  
[P.T.O.]