

## Water Analysis Report



# Regional Water Analysis Laboratory

(An NABL Accredited Laboratory)  
Ganga Pollution Control Unit Campus,  
U. P. Jal Nigam (Rural), Bhagwanpur, Lanka,  
Varanasi-221005



TC-12993

Report No.: C/VNS/JAN25/04		Date: 09.01.2025		No. of Pages: 1	
Customer Details					
Office Name and Address			Sunbeam Suncity (School & Hostel), 821 GA, Bachhaon Road, Karsana, Varanasi-221011		
Ref. Letter No. & Date			NA Date: 07.01.2025		
Basic Details of Sample					
District	Varanasi	Block	Kashi Vidyapeeth		
Gram Panchayat	Karsana, Bachhaon	Village	NA		
Habitation	NA	Location	Karsana, Varanasi		
Water Source	RO Water	Sample Code	VNS/JAN25/04		
Quantity of Sample	2000 mL (Normal)	Sampling date	07.01.2025		
Sample Received Date	07.01.2025	S. collected by	Mr.Prateek Paul		
Sampling Method Used	NA	Sample Depositor	Mr.Prateek Paul		
Analysis Start Date	08.01.2025	Analysis Completion date	08.01.2025		

Temperature- 24.8°C, Humidity- 58%

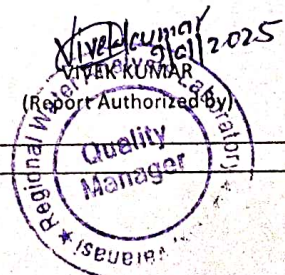
S. No.	Analysed Parameters	Observed Value	Specification as per IS 10500:2012 (Second Revision)		Ref. Methods of Analysis
			Acceptable Limit	Permissible Limit	
1	2	3	4	5	6
1	pH	8.06	6.5-8.5	6.5-8.5	IS 3025 (Part 11): 2022, Electrometric Method
2	Turbidity (NTU)	1.29	1	5	IS 3025 (Part 10):2023 (Nephelometric method)
3	Total Dissolved Solids, mg/l	106.00	500	2000	IS 3025 (Part 16): 2023 (Gravimetric method)
4	Chloride (as Cl), mg/l	11.68	250	1000	IS 3025 (Part 32): 2019 Argentometric method
5	Total Alkalinity, (as CaCO <sub>3</sub> ) mg/l	83.33	200	600	IS 3025 (Part 23): 2023 (Potentiometric and indicator method)
6	Total Hardness, (as CaCO <sub>3</sub> ) mg/l	63.33	200	600	IS 3025 (Part 21): 2019 (EDTA method)
7	Calcium (as Ca), mg/l	14.97	75	200	IS 3025 (Part 40): 2019 EDTA Titrimetric method
8	Magnesium (as Mg), mg/l	6.24	30	100	IS 3025 (Part 46): 2023 (Volumetric method)
9	Sulphate (as SO <sub>4</sub> ), mg/l	2.91	200	400	APHA 24rd Edition -4500-SO <sub>4</sub> Method E (Turbidimetric Method): 2023
10	Nitrate (as NO <sub>3</sub> ), mg/l	0.29	45	No relaxation	APHA 24rd Edition -4500- NO <sub>3</sub> Method B (UV Screening Method): 2023
11	Fluoride (as F), mg/l	0.25	1.0	1.5	APHA 24rd Edition -4500-F Method C (Ion-Selective Electrode Method): 2023
12	Iron (as Fe), mg/l	BDL (<0.1)	1.0	No relaxation	APHA 24rd Edition -3500-Fe Method B (Phenanthroline Method): 2023

All These parameters are under NABL Scope, BDL-Below Detection Limit, NA- Not Analysed

- Note:**
- This certificate refers only to the particular sample(s) submitted for analysis.
  - This certificate shall not be reproduced, except in full, unless written permission for the publication of an approved abstract has been obtained from Head of Laboratory.
  - The analysis results reported in this certificate are valid at the time of and under the stated conditions of measurements.
  - Sample(s) will be stored up to 07 days (in case of non-perishable items only) from the date of issue of analysis reports, unless otherwise specified.
  - Parameters above Permissible Limit are written in bold.
  - Sample(s) with any parameter value above Accepted Limit will only be used for oral consumption, if no other source is available.
  - Sample is not Collected by Lab.

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 (Report Reviewed by)



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\*\*\*\*\*END OF THE ANALYSIS REPORT\*\*\*\*\*