

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

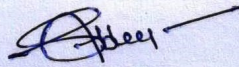
Report No.: C/VNS/NOV24/171		Date: 30.11.2024		No. of Pages: 1	
Office Name and Address		SETH M.R JAIPURIA SCHOOL, Near Airport, Siswa, Babatpur, Varanasi-221006			
Ref. Letter No. & Date		NA		Date - 23.11.2024	
Basic Details of Sample					
District	Varanasi	Block	NA		
Gram Panchayat	NA	Village	NA		
Habitation	NA	Location	Near Airport, Siswa, Babatpur, Varanasi		
Water Source	RO Water	Sample Code	VNS/NOV24/171		
Quantity of Sample	1000 mL (Normal)	Sampling date	27.11.2024		
Sample Received Date	27.11.2024	S. collected by	Mr. Deepak Kumar Singh		
Sampling Method Used	NA	Sample Depositor	Mr. Deepak Kumar Singh		
Analysis Start Date	28.11.2024	Analysis Completion date	28.11.2024		

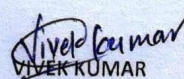
Temperature- 24.9 °C, Humidity- 62%

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	7.14	6.5-8.5	6.5-8.5	IS 3025 (Part 11): 2022, Electrometric Method
2	Conductivity (µS/cm)	358.60	-	-	APHA 24rd Edition -2510 B, Laboratory Method
3	Colour (Hazen units)	2.00	5	15	APHA 24rd Edition -2120-Colour Method B (Platinum Cobalt Visual Comparison): 2023
4	Turbidity (NTU)	1.21	1	5	IS 3025 (Part 10):2023 (Nephelometric method)
5	Total Dissolved Solids, mg/l	237.00	500	2000	IS 3025 (Part 16): 2023 (Gravimetric method)
6	Chloride (as Cl), mg/l	15.68	250	1000	IS 3025 (Part 32): 2019 Argentometric method
7	Total Alkalinity, (as CaCO ₃) mg/l	157.33	200	600	IS 3025 (Part 23): 2023 (Potentiometric and indicator method)
8	Total Hardness, (as CaCO ₃) mg/l	156.67	200	600	IS 3025 (Part 21): 2019 (EDTA method)
9	Calcium (as Ca), mg/l	44.64	75	200	IS 3025 (Part 40): 2019 EDTA Titrimetric method
10	Magnesium (as Mg), mg/l	10.88	30	100	IS 3025 (Part 46): 2023 (Volumetric method)
11	Sulphate (as SO ₄), mg/l	35.21	200	400	APHA 24rd Edition -4500-SO ₄ Method E (Turbidimetric Method): 2023
12	Nitrate (as NO ₃), mg/l	9.81	45	No relaxation	APHA 24rd Edition -4500- NO ₃ Method B (UV Screening Method): 2023
13	Fluoride (as F), mg/l	0.21	1.0	1.5	APHA 24rd Edition -4500-F Method C (Ion-Selective Electrode Method) : 2023
14	Iron (as Fe), mg/l	0.10	1.0	No relaxation	APHA 24rd Edition -3500-Fe, Method B (Phenanthroline Method) : 2023
15	Free Chlorine, mg/l	BDL (<0.1)	0.2	1.0	APHA 24rd Edition -4500 Method G (DPD Method): 2023

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

- Note:**
1. This certificate refers only to the particular sample(s) submitted for analysis.
 2. 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.
 3. The analysis results reported in this certificate are valid at the time of and under the stated conditions of measurements.
 4. 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
 5. Parameters above Permissible Limit are written in **bold**.
 6. Sample(s) with any parameter value above Accepted Limit will only be used for oral consumption, if no other source is available.
 7. Sample is Not Collected by Lab.


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