

Water Analysis Report



Regional Water Analysis Laboratory

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

Report No.: C/VNS/NOV23/12		Date: 08.11.2023	No. of Pages: 1
Customer Details			
Office Name and Address	Varanasi Public School, Kerakatpur, Lohta, Varanasi-221007		
Ref. Letter No. & Date	NA	Date: 06.11.2023	
Basic Details of Sample			
District	Varanasi	Block	NA
Gram Panchayat	NA	Village	NA
Habitation	NA	Location	Kerakatpur, Varanasi
Water Source	RO Water	Sample Code	VNS/NOV23/12
Quantity of Sample	1000 ml. (Normal)	Sampling date	06.11.2023
Sample Received Date	06.11.2023	S. collected by	Mr. Gulab Chandra Pathak
Sampling Method Used	NA	Sample Depositor	Mr. Gulab Chandra Pathak
Analysis Start Date	07.11.2023	Analysis Completion date	07.11.2023

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	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5): 2018
2	Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8): 2023
3	pH	7.49	6.5-8.5	6.5-8.5	IS 3025 (Part 11): 2022, Electrometric Method
4	Colour (Hazen units)	BDL (0.00)	5	15	APHA 24rd Edition -2120 Colour Method B (Platinum Cobalt Visual Comparison): 2023
5	Turbidity (NTU)	BDL (0.11)	1	5	IS 3025 (Part 10):2023 (Nephelometric method)
6	Total Dissolved Solids, mg/l	280.00	500	2000	IS 3025 (Part 16): 2023 (Gravimetric method)
7	Chloride (as Cl), mg/l	9.33	250	1000	IS 3025 (Part 32): 2019 Argentometric method
8	Total Alkalinity, (as CaCO ₃) mg/l	202.67	200	600	IS 3025 (Part 23): 2023 (Potentiometric and indicator method)
9	Total Hardness, (as CaCO ₃) mg/l	145.33	200	600	IS 3025 (Part 21): 2019 (EDTA method)
10	Calcium (as Ca), mg/l	26.38	75	200	IS 3025 (Part 40): 2019 EDTA Titrimetric method
11	Magnesium (as Mg), mg/l	19.36	30	100	IS 3025 (Part 46): 2023 (Volumetric method)
12	Sulphate (as SO ₄), mg/l	1.04	200	400	APHA 24rd Edition -4500 SO ₄ Method F (Turbidimetric Method): 2023
13	Nitrate (as NO ₃), mg/l	BDL (0.00)	45	No relaxation	APHA 24rd Edition -4500 NO ₃ Method B (LIV Screening Method): 2023
14	Fluoride (as F), mg/l	NA	1.0	1.5	APHA 24rd Edition -4500 F Method C (Ion-Selective Electrode Method): 2023
15	Iron (as Fe), mg/l	BDL (0.008)	1.0	No relaxation	APHA 24rd Edition -3500-Fe Method B (Phenanthroline Method): 2023
16	Total Arsenic (as As), mg/l	NA	0.01	No relaxation	APHA 24rd Edition -3500 Method B (Silver Diethyldithiocarbamate 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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08/11/2023
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*****END OF THE ANALYSIS REPORT*****
Divya Pandey
Divya Pandey
Manager
Varanasi Public School

