District Level Water Quality Testing and Monitoring Laboratory
Uttarakhand Jal Sansthan, 32, Rajpur Road, Dehradun

TC-10477

ULR No.:TC10477230000000000074F

Test Report ID: 229/UJS/DLWQTML/2023-24

Dated: 17/05/2023

TEST REPORT

Name and Address of Organization/ Customer	GRD Academy, Niranjanpur, Dehradun		
Product Description	Drinking Water	Sample Description	One Water Sample collected from GRD Academy, Niranjanpur
Reference Sample Identification:	DLWQTML/UJS/2023-74		Date of Start of Analysis: 15/05/2023
			Date of End of Analysis: 17/05/2023
Date and Time of Sample Received: 15/05/23 & 10:16 AM		Sample Collected by:	Customer:

S N	Water Quality Parameters Under Chemical Scope	Results	Desirable Limit (BIS)	Permissible Limit (BIS) in the Absence of alternative source	Std. Test Method
1.	pH at 25^{0}C	7.36	6.5 to 8.5	No Relaxation	IS 3025 (Part 11) 1983, RA: 2017: Electrometric method
2.	Total Dissolved Solids (TDS), mg/L, *Max*	406	500	2000	IS 3025 (Part 16), 1984 RA: 2017: Gravimetric Method
3.	Turbidity, NTU, *Max*	Less than 01	1	5	IS 3025 (Part 10), 1984, RA:2017: Nephelometric Method
4.	Total Alkalinity (as CaCO$_3$), mg/L, *Max*	140	200	600	IS 3025 (Part 23), 1986 RA: 2019 Titrimetric Method
5.	Total Hardness (as CaCO$_3$), mg/L, *Max*	372	200	600	IS 3025 (Part 21), 2009 RA:2019, (a) EDTA Titrimetric Method
6.	Calcium as Ca, mg/l	66.4	75	200	IS 3025 (Part 21), 2009 RA:2019 (a) EDTA Titrimetric Method
7.	Chloride, mg/L, *Max*	70.56	250	1000	IS 3025 (Part 32): 1988, RA: 2019 Argentometric Method
8.	Magnesium as Mg, mg/l	50.05	30	100	APHA 23rd -3500-Mg Method B:2017 (Calculation Method)
9.	Colour, Hazen, *Max*	Less than 01	5	15	IS 3025 (Part 4): 2021Platinum Cobalt (Visual Comparison)
10.	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) : 2018

17/05/23

(Dr. Vikash Kandari)
Technical Manager
DLWQTML
Uttarakhand Jal Sansthan
Dehradun

--- End of Report ---

1. The results listed refer only to tested sample and applicable parameters.
2. This certificate is not be reproduced wholly or in parts promotional publicity or legal purpose without permission of authority of testing laboratory.
3. The samples will be destroyed after fifteen days from the date of issue of test certificate, unless otherwise agreed with customer.
4. The results apply to the sample as received

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Test Report ID: 229A/UJS/DLWQTML/2023-24 **Dated: 17/05/2023**

TEST REPORT

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Product Description	Drinking Water	Sample Description	One Water Sample collected from GRD Academy, Niranjanpur
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		Date of End of Analysis: 17/05/2023	
Date and Time of Sample Received: 15/05/23 & 10:16 AM		Sample Collected by:	Customer:

SN	Water Quality Parameters Under Chemical Scope	Results	Desirable Limit (BIS)	Permissible Limit (BIS) in the Absence of alternative source	Std. Test Method
1.	Fluoride, mg/L, *Max*	0.28	1.0	1.5	APHA 23rd Ed. 4500-F-D: 2017: SPADNS Method
2	Nitrate, mg/L, *Max*	2.6	45	No Relaxation	APHA 23rdEd. 4500-NO_3-B:2017: Ultraviolet Spectrophotometric Screening Method
3	Sulfate, mg/L, *Max*	36	200	400	APHA 23rd Ed. 4500-SO_4 E:2017:Turbidimetric Method
4	Total Coliform, MPN/ 100ml	Absent	Absent	Absent	APHA 23rd Ed.-9223-B
5	E. coli, MPN/ 100ml	Absent	Absent	Absent	APHA 23rd Ed.-9223-B

17/05/23

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