



ECON LABORATORY & CONSULTANCY LLP

(ISO: 9001, 14001, 45001 Certified, MDDA, RWD & MES Approved Laboratory)

(Govt. Approved Lab)

Vill.: Khabarwala, P.O.: Jaintanwala, Near Garhi Cantt., Dehradun, Uttarakhand - 248003

TEST REPORT

Name & Address of Client: Gurukul Kangri Higher Secondary School Haridwar		Report No:	ECON/2607/DW/7500
		Reporting Date:	18/07/2026
		Sampling Date:	14/07/2026
		Receipt Date:	14/07/2026
		Period of Testing:	15/07/2026-18/07/2026
		Sample Collected By:	Lab Representative
Sample Description: Drinking Water		Sampling Type:	Grab
		Preservation :	Refrigerated
Sampling Location: Hostel Vidyalyaya Chowk Near Prayer Ground		Format No:	7.8-F-01
		Parameter Required:	As per work order
Sampling Protocol: IS: 3025:(Part-1)		Party Reference No:	By Mail
Sample Quantity: 05Ltr.			

TEST RESULTS

S. No.	Parameters	Test –Methods	Results	Units	Limit of as per IS: 10500:2012 with amd. 1,2,3&4 Reaff.2018	
					Desirable Limits (Max)	Permissible Limits the absence of Alternate Source (Max.)
1.	pH (at 25°C)	IS 3025 (Part-11) 1983, RA 2017, Electrometric Method	6.76	-	6.5 to 8.5	No relaxation
2.	Color	IS 3025 (Part-4) 2021, Platinum cobalt (visual comparison method)	<1.0	Hazen	5	15
3.	Turbidity	IS 3025 (Part-10) 1984, RA 2017, Nephelometric method	<1.0	NTU	1	5
4.	Odour	IS 3025 (Part-5) 2018	Agreeable	-	Agreeable	Agreeable
5.	Taste	IS 3025 (Part-7) 2017	Agreeable	-	Agreeable	Agreeable
6.	Total Hardness as CaCO ₃	IS 3025 (Part-21) 2009, RA 2019,(a) Ethylenediamine tetra acetic acetate acid (EDTA) method	158.0	mg/l	200	600
7.	Calcium as Ca	IS 3025 (Part-40) 1991, RA2019, (a) EDTA titrimetric method,	40.8	mg/l	75	200
8.	Alkalinity as CaCO ₃	IS 3025 (Part-23) .1996, RA2019 Titrametric Method	123.0	mg/l	200	600
9.	Chloride as Cl	IS 3025 (Part-32) .1988, RA 2019 Argentometric Method	12.4	mg/l	250	1000
10.	Magnesium as Mg	IS 3025 (Part-46) 1994, RA2019, Volumetric method using EDTA	18.3	mg/l	30	100
11.	Total Dissolved Solids	IS 3025 (Part-16),1984, RA 2017, Gravimetric method	247.0	mg/l	500	2000
12.	Sulphate as SO ₄	IS 3025 (Part-24), 1986, RA2019, Turbidity method.	5.9	mg/l	200	400
13.	Flouride as F	APHA 24 th Edi.2023, 4500 F-D SPADNS Method	0.21	mg/l	1.0	1.5

CHECKED BY :

AUTHORISED SIGNATORY :



NOTE : 1. The results listed only to the tested sample & applicable parameters.

2. Total liabilities of our lab will be restricted to the invoice amount only.

3. The sample will be destroyed after retention time unless otherwise specified.

4. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law without prior permission

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TEST REPORT

Report No: ECON/2607/DW/7500

S. No.	Parameters	Test Methods	Results	Units	Limit of IS 10500-2012	
					Desirable Limits(Max.)	Permissible Limits the absence of Alternate Source (Max.)
14.	Nitrate as NO ₃	IS 3025 (P-34) 1988, RA 2019, (a)Chromotropic acid method	5.7	mg/l	45	No relaxation
15.	Iron as Fe	IS 3025 (P-53) 2003, RA 2019, 1,10 Phenanthroline Method	0.12	mg/l	0.3	No relaxation
16.	Aluminum as Al	IS 3025 (P-55) 2003	** BDL (#DL-0.03)	mg/l	0.03	0.2
17.	Boron	IS 3025 (P-57) 2005, RA2017, (b) Colorimetric curcumin method,	** BDL (#DL-0.50)	mg/l	0.5	2.4
18.	Hexa Chromium as Cr+6	IS 3025 (P-52) 2003, RA 2019 Diphenylcarbazide method,	** BDL (#DL-0.001)	mg/l	0.05	No relaxation
19.	Zinc as Zn	IS 3025 (Part-49) 1994, RA2019, (b)Atomic Absorption Method	** BDL (#DL-0.07)	mg/l	5	15
20.	Copper as Cu	IS 3025 (Part-42) 1992, RA2019, (b)Atomic Absorption Method	** BDL (#DL-0.02)	mg/l	0.05	1.5
21.	Manganese as Mn	IS 3025 (Part-59) 2006, RA2019, (b)Atomic Absorption Method	** BDL (#DL-0.10)	mg/l	0.1	0.3
22.	Cadmium as Cd	IS 3025 (Part-41) 1992, RA2019, (b)Atomic Absorption Method	** BDL (#DL-0.001)	mg/l	0.003	No Relaxation
23.	Lead as Pb	IS 3025 (Part-47) 1994, RA2019, (b)Atomic Absorption Method	** BDL (#DL-0.001)	mg/l	0.01	No Relaxation
24.	Selenium as Se	IS 3025 (Part-56) 2003, RA2019, (b)Atomic Absorption Method	** BDL (#DL-0.01)	mg/l	0.01	No Relaxation
25.	Arsenic as As	IS 3025 (Part-37) 1988, RA2019, (b)Atomic Absorption Method	** BDL (#DL-0.01)	mg/l	0.01	No Relaxation
26.	Mercury as Hg	IS 3025 (Part-48) 1994, RA 2019	** BDL (#DL-0.01)	mg/l	0.001	No Relaxation
27.	Cyanide as CN	IS 3025 (Part-27) 1986, RA 2019	**BDL (#DL-0.002)	mg/l	0.05	No relaxation
28.	Phenolic Compound	APHA 24 th Edition 2017 ,5530 D	**BDL (#DL-0.001)	mg/l	0.001	0.002
29.	Mineral Oil	Clause 6 IS:3025(Part-39), 2021	**BDL (#DL-0.03)	mg/l	1.0	No Relaxation
30.	Anionic Detergents as MBAS	APHA 24 th Edition, 5540 C	**BDL (#DL-0.04)	mg/l	0.2	1.0
31.	Total Coliform	IS:15185:2016	Absent	100ml	Absent	NA
32.	E. Coli	IS:15185:2016	Absent	100ml	Absent	NA

***BDL: Below Detected limit , DL: Detection Limit, NA: Not Applicable

End of Report

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