National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : WATER QUALITY LABORATORY, NATIONAL INSTITUTE OF HYDROLOGY, ROORKEE, HARIDWAR, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9421 **Page No** 1 of 2

Validity 14/04/2021 to 13/04/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- WATER	Surface Water & Ground Water	Alkalinity	APHA (23rd Ed.); 2320B
2	CHEMICAL- WATER	Surface Water & Ground Water	Ammonium	ISO 14911
3	CHEMICAL- WATER	Surface Water & Ground Water	Ammonium - Nitrogen	HACH, Method 8038, Nessler Method
4	CHEMICAL- WATER	Surface Water & Ground Water	Biochemical Oxygen Demand	APHA (23rd Ed.); 5210 (D)
5	CHEMICAL- WATER	Surface Water & Ground Water	Calcium	APHA (23rd Ed.); 3500 Ca(B)
6	CHEMICAL- WATER	Surface Water & Ground Water	Calcium	ISO 14911
7	CHEMICAL- WATER	Surface Water & Ground Water	Chemical Oxygen Demand	APHA (23rd Ed.); 5220 (B)
8	CHEMICAL- WATER	Surface Water & Ground Water	Chloride	APHA (23rd Ed.); 4110 B
9	CHEMICAL- WATER	Surface Water & Ground Water	Chloride	APHA (23rd Ed.); 4500 Cl (B)
10	CHEMICAL- WATER	Surface Water & Ground Water	Conductivity	APHA (23rd Ed.); 2510B
11	CHEMICAL- WATER	Surface Water & Ground Water	Dissolved Oxygen	APHA (23rd Ed.); 4500-O (c)
12	CHEMICAL- WATER	Surface Water & Ground Water	Fluoride	APHA (23rd Ed.); 4110 B
13	CHEMICAL- WATER	Surface Water & Ground Water	Fluoride	HACH, Method 8029, SPADNS Method
14	CHEMICAL- WATER	Surface Water & Ground Water	Lithium	ISO 14911
15	CHEMICAL- WATER	Surface Water & Ground Water	Magnesium	ISO 14911
16	CHEMICAL- WATER	Surface Water & Ground Water	Nitrate	APHA (23rd Ed.); 4110 B
17	CHEMICAL- WATER	Surface Water & Ground Water	Nitrate - Nitrogen	HACH, Method 8171, Cd Reduction Method
18	CHEMICAL- WATER	Surface Water & Ground Water	Nitrite	APHA (23rd Ed.); 4110 B
19	CHEMICAL- WATER	Surface Water & Ground Water	pH	APHA (23rd Ed.); 4500-H+(B)
20	CHEMICAL- WATER	Surface Water & Ground Water	Phosphate	APHA (23rd Ed.); 4110 B
21	CHEMICAL- WATER	Surface Water & Ground Water	Phosphate	APHA (23rd Ed.); 4500 P(D)
22	CHEMICAL- WATER	Surface Water & Ground Water	Potassium	APHA (23rd Ed.); 3500 K(B)
23	CHEMICAL- WATER	Surface Water & Ground Water	Potassium	ISO 14911
24	CHEMICAL- WATER	Surface Water & Ground Water	Silica	APHA (23rd Ed.); 4500 SiO2(C)
25	CHEMICAL- WATER	Surface Water & Ground Water	Sodium	APHA (23rd Ed.); 3500 Na(B)
26	CHEMICAL- WATER	Surface Water & Ground Water	Sodium	ISO 14911
27	CHEMICAL- WATER	Surface Water & Ground Water	Sulfate	APHA (23rd Ed.); 4110 B
28	CHEMICAL- WATER	Surface Water & Ground Water	Sulfate	APHA (23rd Ed.); 4500 SO4 (E)

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29	CHEMICAL- WATER	Surface Water & Ground Water	Total Dissolved Solids	IS 3025 (part 16)
30	CHEMICAL- WATER	Surface Water & Ground water	Total Hardness	APHA (23rd Ed.); 2340C
31	CHEMICAL- WATER	Surface Water & Ground Water	Turbidity	APHA (23rd Ed.); 2130 (B)