



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name STATE REFERRAL INSTITUTE FOR WATER QUALITY, KERALA WATER AUTHORITY, NETTOOR, ERNAKULAM, KERALA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5273 Page No. : 1 / 1

Validity 29/04/2019 to 28/04/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
<b>Permanent Facility</b>					
1	CHEMICAL- WATER	Drinking Water	Acidity	IS 3025 (Part-22): 1986, (Reaffirmed: 2009)	1 mg/l to 500 mg/l
2	CHEMICAL- WATER	Drinking Water	Alkalinity	IS 3025 (Part-23): 1986 (Reaffirmed: 2009)	1 mg/l to 500 mg/l
3	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 (Part-40): 1991	1 mg/l to 500 mg/l
4	CHEMICAL- WATER	Drinking Water	Chloride (as Cl)	IS 3025 (Part 32) 1988 (Argentometric Method) (Reaffirmed: 2014)	5.0 mg/l to 1000 mg/l
5	CHEMICAL- WATER	Drinking Water	Electrical Conductivity at 25 degree Celsius	IS 3025 (Part 14): 2013	1 micro mhos/cm to 5000 micro mhos/cm
6	CHEMICAL- WATER	Drinking Water	Fluoride (as F)	IS 3025 (Part 60): 2008 (6-Electrochemical Probe Method): (Reaffirmed: 2013)	0.2 mg/l to 20 mg/l
7	CHEMICAL- WATER	Drinking Water	Iron (as Fe)	IS 3025 (Part 53): 2003 (1,10 phenanthroline method) (Reaffirmed: 2014)	0.1 mg/l to 0.5 mg/l
8	CHEMICAL- WATER	Drinking water	Magnesium	IS 3025 (Part-46):1994 Reaffirmed: 2003	1 mg/l to 500 mg/l
9	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11): 1983 Reaffirmed: 2002	2 pH to 12 pH
10	CHEMICAL- WATER	Drinking Water	Total Hardness (As CaCO <sub>3</sub> )	IS 3025 (Part 21) 2009 (Reaffirmed: 2014)	5.0 mg/l to 1000 mg/l
11	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10): 1984 (Reaffirmed: 2012)	0.02 NTU to 40 NTU