



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name BHARAT QUALITY TESTING LAB, #3738, 1ST MAIN ROAD, GAYATHRI NAGAR, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5037 Page No. : 1 / 5

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-POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Aluminium as Al	IS 3025 (Part 55): 2003	0.02 mg/L to 0.3 mg/L
2	CHEMICAL-POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Ammonical Nitrogen	IS 3025 (Part 34): 1988	1 mg/L to 400 mg/L
3	CHEMICAL-POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Bio Chemical Oxygen Demand (BOD) at 27°C for 3 days	IS 3025 (Part 44): 1993	2 mg/L to 2000 mg/L
4	CHEMICAL-POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Boron as B	IS 3025 (Part 57): 2005	0.1 mg/L to 5 mg/L
5	CHEMICAL-POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Chemical Oxygen Demand (COD)	IS 3025 (Part 58): 2006	2 mg/L to 2000 mg/L
6	CHEMICAL-POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Chloride as Cl	IS 3025 (Part 32): 1988	1 mg/L to 1000 mg/L
7	CHEMICAL-POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Chromium as Cr (Hexavalent)	IS 3025 (Part 52): 2003	0.03 mg/L to 20 mg/L
8	CHEMICAL-POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Colour	IS 3025 (Part 4): 1983	1 Hazen to 50 Hazen
9	CHEMICAL-POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Conductivity	IS 3025 (Part 14): 1984	1 µs/cm to 10000 µs/cm



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10	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Copper as Cu	IS 3025 (Part 42): 1992	0.05 mg/L to 5 mg/L
11	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Dissolved Oxygen	IS 3025 (Part 38): 1989	1 mg/L to 10 mg/L
12	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Fluoride as F	APHA 4500-D, 23rd edition: 2017	0.2 mg/L to 3 mg/L
13	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Kjeldhal Nitrogen	IS 3025 (Part 34): 1988	1 mg/L to 100 mg/L
14	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Nitrate as NO <sub>3</sub>	IS 3025 (Part 34): 1988	0.1 mg/L to 50 mg/L
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Nitrite as NO <sub>2</sub>	IS 3025 (Part 34): 1988	0.1 mg/L to 50 mg/L
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Oil & Greases	IS 3025 (Part 39): 1991	1 mg/L to 100 mg/L
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	pH	IS 3025 (Part 11): 1983	1 to 13
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Phosphorus as PO <sub>4</sub>	IS 3025 (Part 31): 1998	0.1 mg/L to 50 mg/L
19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Residual Chlorine	IS 3025 (Part 26): 1986	1 mg/L to 100 mg/L



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20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Sulphate as SO <sub>4</sub>	APHA 4500-D SO <sub>4</sub> 23rd edition: 2017	1 mg/L to 1000 mg/L
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Sulphide	IS 3025 (Part 29): 1986	1 mg/L to 100 mg/L
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Temperature	IS 3025 (Part 09): 1984	25 °C to 40 °C
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Total Dissolved Solids	IS 3025 (Part 16): 1984	1 mg/L to 10000 mg/L
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Total Solids	IS 3025 (Part 15): 1984	1 mg/L to 10000 mg/L
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Total Suspended Solids	IS 3025 (Part 16): 1984	1 mg/L to 1000 mg/L
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Turbidity	IS 3025 (Part 10): 1984	0.1 NTU to 100 NTU
27	CHEMICAL- WATER	Construction Water	Chloride as Cl	IS 3025 (Part 32): 1988	1 mg/L to 4000 mg/L
28	CHEMICAL- WATER	Construction Water	Inorganic solids	IS 3025 (Part 18): 1984	1 mg/L to 5000 mg/L
29	CHEMICAL- WATER	Construction Water	Organic Solids	IS 3025 (Part 18): 1984	1 mg/L to 400 mg/L
30	CHEMICAL- WATER	Construction Water	Sulphate as SO <sub>4</sub>	IS 3025 (Part 24): 1986	1 mg/L to 400 mg/L
31	CHEMICAL- WATER	Construction Water	Suspended matter	IS 3025 (Part 17): 1984	1 mg/L to 2000 mg/L
32	CHEMICAL- WATER	Construction Water	To neutralize 100 ml sample of water, using mixed indicator	IS 3025 (Part 23): 1986	0.5 ml to 50 ml



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33	CHEMICAL- WATER	Construction Water	To neutralize 100 ml sample of water, using phenolphthalein as an indicator	IS 3025 (Part 22): 1986	0.5 ml to 50 ml
34	CHEMICAL- WATER	Drinking Water	Acidity as CaCO <sub>3</sub>	IS 3025 (Part 22): 1986	1 mg/L to 1000 mg/L
35	CHEMICAL- WATER	Drinking Water	Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part 23): 1986	1 mg/L to 1000 mg/L
36	CHEMICAL- WATER	Drinking water	Aluminum as Al	IS 3025 (Part 55): 2003	0.02 mg/L to 0.3 mg/L
37	CHEMICAL- WATER	Drinking Water	Boron as B	IS 3025 (Part 57): 2005	0.1 mg/L to 5 mg/L
38	CHEMICAL- WATER	Drinking water	Calcium as Ca	IS 3025 (Part 40): 1991	1 mg/L to 1000 mg/L
39	CHEMICAL- WATER	Drinking Water	Chloride as Cl	IS 3025 (Part 32): 1988	1 mg/L to 1000 mg/L
40	CHEMICAL- WATER	Drinking Water	Chromium as Cr(+6)(Hexavalent)	IS 3025 (Part 52): 2003	0.03 mg/L to 20 mg/L
41	CHEMICAL- WATER	Drinking water	Colour	IS 3025 (Part 4): 2006	5 Hazen to 50 Hazen
42	CHEMICAL- WATER	Drinking water	Conductivity	IS 3025 (Part 14): 2014	1 µs/cm to 10000 µs/cm
43	CHEMICAL- WATER	Drinking Water	Copper as Cu	IS 3025 (Part 42): 1992	0.05 mg/L to 5 mg/L
44	CHEMICAL- WATER	Drinking Water	Fluoride as F	APHA 4500 -D, 23rd Edition: 2017	0.2 mg/L to 3 mg/L
45	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	IS 3025 (Part 46): 1994	1 mg/L to 1000 mg/L
46	CHEMICAL- WATER	Drinking Water	Nitrate as NO <sub>3</sub>	IS 3025 (Part 34): 1988	0.1 mg/L to 50 mg/L
47	CHEMICAL- WATER	Drinking Water	Nitrite as NO <sub>2</sub>	IS 3025 (Part 34): 1988	0.1 mg/L to 50 mg/L
48	CHEMICAL- WATER	Drinking water	pH	IS 3025 (Part 11): 1983	3.5 to 10
49	CHEMICAL- WATER	Drinking Water	Phosphours as PO <sub>4</sub>	IS 3025 (Part 31): 1988	0.1 mg/L to 50 mg/L
50	CHEMICAL- WATER	Drinking Water	Sulphate as SO <sub>4</sub>	APHA 4500-SO <sub>4</sub> ;23rd Edition: 2017	1 mg/L to 1000 mg/L
51	CHEMICAL- WATER	Drinking water	Temperature	IS 3025 (Part 09): 1984	25 °C to 40 °C



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52	CHEMICAL- WATER	Drinking water	Total Dissolved Solids	IS 3025 (Part 16): 1984	1 mg/L to 10000 mg/L
53	CHEMICAL- WATER	Drinking water	Total Hardness	IS 3025 (Part 21): 2009	1 mg/L to 2500 mg/L
54	CHEMICAL- WATER	Drinking Water	Total Iron	IS 3025 (Part 53): 2003	0.2 mg/L to 100 mg/L
55	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	IS 3025 (Part 17): 1984	1 mg/L to 100 mg/L
56	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10): 1984	0.1 NTU to 100 NTU