

**Laboratory** CWRDM Water Quality Division-Testing Laboratory, Kunnamangalam, Kozhikode, Kerala

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** TC-6939 (in lieu of T-2846)

**Page 1 of 1**

**Validity** 24.02.2018 to 23.02.2020

**Last Amended on** --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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#### CHEMICAL TESTING

I.	WATER			
1.	Surface water/ Groundwater/ Drinking water	pH@ 25° C	APHA 23 <sup>rd</sup> Edition, 2017 (Part 4500-H <sup>+</sup> B)	1 to 14
		Total Dissolved Solids	APHA 23 <sup>rd</sup> Edition, 2017 (Part 2540 C)	10 mg/l to 1000 mg/l
		Total Alkalinity as CaCO <sub>3</sub>	APHA 23 <sup>rd</sup> Edition, 2017 (Part 2320 B)	2 mg/l to 500 mg/l
		Total Hardness as CaCO <sub>3</sub>	APHA 23 <sup>rd</sup> Edition, 2017 (Part 2340 C)	2 mg/l to 500 mg/l
		Calcium as Ca	APHA 23 <sup>rd</sup> Edition, 2017 (Part 3500-Ca B)	1 mg/l to 500 mg/l
		Magnesium as Mg	APHA 23 <sup>rd</sup> Edition, 2017 (Part 3500-Mg B)	1 mg/l to 500 mg/l
		Iron as Fe	APHA 23 <sup>rd</sup> Edition, 2017 (Part 3500-Fe B)	0.2 mg/l to 5 mg/l
		Chloride as Cl <sup>-</sup>	APHA 23 <sup>rd</sup> Edition, 2017 (Part 4500-Cl <sup>-</sup> B)	4 mg/l to 500 mg/l
		Sulphate as SO <sub>4</sub> <sup>2-</sup>	APHA 23 <sup>rd</sup> Edition, 2017 (Part 4500-SO <sub>4</sub> <sup>2-</sup> E)	1 mg/l to 500 mg/l
		Colour	APHA 23 <sup>rd</sup> Edition, 2017 (Part 2120 B)	1 Hazen to 20 Hazen
		Turbidity	APHA 23 <sup>rd</sup> Edition, 2017 (Part 2130 B)	0.2 NTU to 100 NTU