

Laboratory **SRICT Environmental Laboratory, Block No. 402, Vataria, Ankleshwar-Valia Road, Dist. Bharuch, Gujarat**

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

Certificate Number **TC-6279**

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Validity **18.09.2017 to 17.09.2019**

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 Ground Water Drinking Water Industrial Water Irrigation Water Water for purifiers	Color	APHA 2120 C, 2-7 to 2-8	5 pt-Co to 99 pt-Co
		Turbidity	IS: 3025 (Part 10)	2NTU to 1000NTU
		pH	IS: 3025 (Part 11)	2 to 12
		Conductivity	IS: 3025 (Part 14)	2µs/cm to 5000µs/cm
		Total Dissolved Solid (TDS)	IS: 3025 (Part 16)	5mg/L to 5000mg/L
		Total Alkalinity	IS: 3025 (Part 23)	2mg/L to 1000mg/L
		Total Hardness as CaCO ₃	IS: 3025 (Part 21)	2mg/L to 2000mg/L
		Calcium	APHA3500-Ca B, 3-67 to 3-68	2mg/L to 500mg/L
		Magnesium	APHA 3500-Mg B, 3-84	1mg/L to 100mg/L
		Chloride (as Cl)	IS: 3025 (Part 32)	2mg/L to 3000mg/L
		Sulphate (as SO ₄)	APHA ,4500-SO ₄ -E , 4-190 to 4-191	2mg/L to 2500mg/L
		Fluoride	APHA 4500-F ⁻ D, 4-87 to 4-88	0.2mg/L to 5.0mg/L
		Sulfide (as S ₂)	APHA 4500-S ²⁻ -F,	1mg/L to 18mg/L
		Nitrite as NO ₂ -N	APHA 4500-NO ₂ ⁻ B, 4-120 TO 4-121	0.1mg/L to 10mg/L
Nitrate as NO ₃ -N	APHA 4500-NO ₃ ⁻ B, 4-122 TO 4-123	0.5mg/L to 20mg/L		
Iron	IS: 3025 (Part 53)	0.1mg/L to 4.0mg/L		
II.	POLLUTION & ENVIRONMENT			
1.	Waste Water	pH	IS: 3025 (Part 11)	2 to 12
		Color	APHA 2120 C, 2-7 to 2-8	5pt-Co to 99pt-Co
		Conductivity	IS: 3025 (Part 14)	2µs/cm to 10000µs/cm

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		Total Dissolved Solid (TDS)	IS: 3025 (Part 16)	5mg/L to 50000mg/L
		Total Suspended Solids (TSS)	IS: 3025 (Part 17)	5mg/L to 1000mg/L
		Chloride (as Cl)	IS: 3025 (Part 32)	2mg/L to 25000mg/L
		Sulphate (as SO ₄)	APHA ,4500-SO ₄ -E , 4-190 to 4-191	2mg/L to 2500mg/L
		Ammonical Nitrogen	IS: 3025 (Part 34)	2mg/L to 1400mg/L
		Total Phenols (as C ₆ H ₅ OH)	APHA, 5530-D, 5-49 to 5-50	0.2mg/L to 1.0mg/L
		Sulfide (as S ⁻²)	APHA 4500-S ⁻² -F	2mg/L to 18mg/L
		Oil & Grease	APHA 5520-B, 5-40 to 5-41	2mg/L to 100mg/L
		COD	IS: 3025 (Part 58)	4mg/L to 50000mg/L
		BOD at 27 °C	IS: 3025 (Part 44)	2mg/L to 1000mg/L