

Laboratory Microbiology Laboratory, Shree Ramkrishna Institute of Computer Education & Applied Sciences, M. T. B. College Campus, Athwalines, Surat, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7443

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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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BIOLOGICAL TESTING

I.	WATER			
1.	Drinking water, Packaged Drinking Water, Water for Swimming Pool and Spa, Water Purifiers, Ground Water/ Surface Water, Water for Processed Food Industry, Packaged Natural Mineral water, Water for Medicinal Purposes, Distilled /Demineralized Water	Standard Plate count (SPC)	IS 1622:1981 (RA 2009)	Minimum 1 CFU / ml of sample
		Enumeration of Coliforms (MPN Method)	IS 1622:1981 (RA 2009)	2 MPN to 1600MPN / 100 ml
		Detection of E. coli (MPN Method)	IS 1622:1981 (RA 2009)	2 MPN to 1600MPN / 100 ml
		Enumeration of Faecal Streptococci (MPN Method)	IS 1622:1981 (RA 2009)	2 MPN to 1600MPN / 100 ml
		Detection of Faecal Coliforms. (MPN Method)	IS 1622:1981 (RA 2009)	2 MPN to 1600MPN / 100 ml
		Total yeast and mold count	IS 5403:1999 (RA 2013)	Minimum 1 CFU / ml of sample
		Detection of Pseudomonas aeruginosa (MPN Method)	APHA, 23 rd Ed., 2017, 9213-F, 9-52	2 MPN to 1600MPN / 100 ml
II.	ENVIRONMENT AND POLLUTION			
1.	Bio-burden Estimation of Classified and non-classified area	Total yeast and mold count by agar settle plate method	APHA, 23 rd Ed., 2017	Minimum 1 CFU /plate /15 minute exposure