

<b>Laboratory</b>	<b>Envirodesigns Eco Labs, Eco Tower, Janatha Junction, Palarivattom, Kochi, Kerala</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Biological Testing</b>	<b>Issue Date</b>	<b>23.12.2014</b>
<b>Certificate Number</b>	<b>T-0987</b>	<b>Valid Until</b>	<b>22.12.2016</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>I. WATER</b>				
<b>1.</b>	<b>Drinking Water</b>	Total coliform bacteria	IS 1622: 1981 (RA 2009)	1 MPN/100 ml to 161 MPN/100 ml
			IS 15185: 2002	Qualitative (Absent/Present)/100 ml
		Faecal coliforms	IS 1622: 1981 (RA 2009)	Qualitative (Absent/Present)/100 ml 1 MPN/100 ml to 161 MPN/100 ml
			IS 15185: 2002	Qualitative (Absent/Present)/100 ml
		E. coli or thermotolerant coliform bacteria	IS 1622: 1981 (RA 2009)	Qualitative (Absent/Present)/100 ml 1 MPN/100 ml to 161 MPN/100 ml
			IS 15185: 2002	Qualitative (Absent/Present)/100 ml
<b>2.</b>	<b>Raw water/ Bore well water/ Well water/ Surface water</b>	Standard Plate count at 37 °C for 48 hrs	IS 1622: 1981 (RA 2009)	≥1.0 cfu/ml

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	<b>Raw water/ Bore well water/ Well water/ Surface water</b>	E. coli or thermotolerant coliform bacteria	IS 1622: 1981 (RA 2009)	Qualitative (Absent/Present)/100 ml 2 MPN/100 ml to 1600 MPN/100 ml
			IS 15185: 2002	Qualitative (Absent/Present)/100 ml
		Total coliform bacteria	IS 1622: 1981 (RA 2009)	2 MPN/100 ml to 1600 MPN/100 ml
			IS 15185: 2002	Qualitative (Absent/Present)/100 ml
		Faecal coliforms	IS 1622: 1981 (RA 2009)	Qualitative (Absent/Present)/100 ml 2 MPN/100 ml to 1600 MPN/100 ml
			IS 15185: 2002	Qualitative (Absent/Present)/100 ml
<b>3.</b>		<b>Water for Ice</b>  Standard Plate count at 37 °C for 48 hrs  Coliform bacteria	IS 1622: 1981 (RA 2009)	≥1.0 cfu/ml
			IS 1622: 1981 (RA 2009)	1 MPN/100 ml to 161 MPN/100 ml
			IS 15185: 2002	Qualitative (Absent/Present)/100 ml

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
4.	Water for Processed Food Industry	Standard Plate count at 37 °C for 48 hrs	IS 1622: 1981 (RA 2009)	≥1.0 cfu/ml
		Coliform bacteria	IS 1622: 1981 (RA 2009)	1 MPN/100 ml to 161 MPN/100 ml
		Proteolytic Organisms count	IS 4251: 1967 Appendix A	≥1.0 cfu/ml
		Lipolytic Organisms count	IS 4251: 1967 Appendix A	≥1.0 cfu/ml
5.	Swimming pool water	Standard Plate count at 35.0 ± 0.5 °C for 24 hrs.	IS 3328: 1993 Annex. A	≥ 1.0 cfu/ml
		Coliform Organisms	IS 1622: 1981 (RA 2009)	1 MPN/100 ml to 161 MPN/100 ml
II. FOOD AND AGRICULTURAL PRODUCTS				
1.	Raw & Cooked food & Ready to eat processed food stuffs	Total coliforms count	IS 5401 (Part 1): 2012	≥10 cfu/g ≥1 cfu/ml
		E. coli	IS 5887 (Part 1): 1976 (RA 2009)	Qualitative (Absent/Present)
		Aerobic microbial count at 30 °C for 72 hrs	IS 5402: 2012	≥10 cfu/g ≥1 cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Qualitative (Absent/Present)/25g

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Raw &amp; Cooked food &amp; Ready to eat processed food stuffs</b>	Staphylococcus aureus	IS 5887 (Part 8/Sec.1): 2002 (RA 2012)	≥10 cfu/g ≥1 cfu/ml
<b>2.</b>	<b>Milk &amp; Dairy Products</b>	Total coliforms count	IS 5401 (Part 1): 2012	≥10 cfu/g ≥1 cfu/ml
		E. coli	IS 5887 (Part 1): 1976 (RA 2009)	Qualitative (Absent/Present)
		Aerobic microbial count at 30 °C for 72 hrs	IS 5402: 2012	≥10 cfu/g ≥1 cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Qualitative (Absent/Present)/25g
		Staphylococcus aureus	IS 5887 (Part 8/Sec.1): 2002 (RA 2012)	≥10 cfu/g ≥1 cfu/ml
<b>-X-X-X-X-X-X-X-X-X-X-X-</b>				