

<b>Laboratory</b>	<b>Bangalore Test House, D-36 &amp; D-98, 4<sup>th</sup> Main, KSSIDC Industrial Estate, Rajajinagar, Bangalore, Karnataka</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Biological Testing</b>	<b>Issue Date</b>	<b>19.12.2014</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. FOOD AND AGRICULTURAL PRODUCTS</b>				
<b>1.</b>	<b>Milk and Dairy Products</b>	Total Bacterial Count	IS 5402: 2002	≥ 10 CFU/g
		Coliform Count	IS 5401 (Part 1): 2002	≥ 10 CFU/g
		Yeast & Mold Count	IS 5403: 1999	≥ 10 CFU/g
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) /25g
		Shigella	IS 5887 (Part 7): 1999	Qualitative (Present/Absent) /25g
		Escherichia coli (Enumeration)	IS 5887 (Part 1): 1976	≥ 10 CFU/g
		Escherichia coli (Detection)	IS 5887 (Part 1): 1976	Qualitative (Present/Absent) /g
		Staphylococcus aureus (Detection)	IS 5887 (Part 2): 1976	Qualitative (Present/Absent) /25g
		Staphylococcus aureus (Enumeration)	IS 5887 (Part 8, Sec 1): 2002	≥ 10 CFU/g
		Mesophillic Aerobic Spore Formers	Compedium APHA 4 <sup>th</sup> Edition, Chapter 22, Page 224, Method 22.5	≥ 10 CFU/g
Mesophillic Anaerobic Spore Formers	Compedium APHA 4 <sup>th</sup> Edition, Chapter 23, Page 232, Method 23.5	≥ 10 CFU/g		
<b>2.</b>	<b>Fruits and Fruit Products</b>	Total Plate Count	IS 5402: 2002	≥ 10 CFU/g or ml
		Coliform Count	IS 5401-Part 1-2002	≥ 10 CFU/g or ml

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		Yeast & Mold Count	IS 5403: 1999	≥ 10 CFU/g or ml
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) /25g or 25 ml
		Escherichia coli (Detection)	IS 5887 (Part 1): 1976	Qualitative (Present/Absent) /g or ml
		Escherichia coli (Enumeration)	IS 5887 (Part 1): 1976	≥ 10 CFU/ <10 CFU/g or ml
		Shigella	IS 5887 (Part 7): 1999	Qualitative (Present/Absent) /25g or 25 ml
		Staphylococcus aureus (Enumeration)	IS 5887 (Part 8, Sec 1): 2002	≥ 10 CFU/g or ml
		Staphylococcus aureus (Detection)	IS 5887 (Part 2): 1976	Qualitative (Present/Absent) /25g or 25 ml
<b>3.</b>	<b>Vegetables and Vegetable Products</b>	Total Plate Count	IS 5402: 2002	≥ 10 CFU/g
		Coliform Count	IS 5401 (Part 1): 2002	≥ 10 CFU/g
		Yeast & Mold Count	IS 5403: 1999	≥ 10 CFU/g
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) /25g
		Escherichia coli (Enumeration)	IS 5887 (Part 7): 1999	≥ 10 CFU/g

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		Escherichia coli (Detection)	IS 5887 (Part 1): 1976	Qualitative (Present/Absent) /g
		Staphylococcus aureus (Enumeration)	IS 5887 (Part 8, Sec 1): 2002	≥ 10 CFU/g
		Staphylococcus aureus (Detection)	IS 5887 (Part 2): 1976	Qualitative (Present/Absent) /25g
		Shigella	IS 5887 (Part 7): 1999	Qualitative (Present/Absent) /25g
<b>4.</b>	<b>Fish and Sea Foods</b>	Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) /25g
		Escherichia coli (Detection)	IS 5887 (Part 1): 1976	Qualitative (Present/Absent) / g
		Escherichia coli (Enumeration)	IS 5887 (Part 1): 1976	≥ 10 CFU/ g
		Staphylococcus aureus (Detection)	IS 5887 (Part 2): 1976	Qualitative (Present/Absent) /25g
		Staphylococcus aureus (Enumeration)	IS 5887 (Part 8, Sec 1): 2002	≥ 10 CFU/g
		Coliform Count	IS 5401(Part 1): 2002	≥ 10 CFU/g
<b>5.</b>	<b>Meat and Meat Products</b>	Total Plate Count	IS 5402: 2002	≥ 10 CFU/g
		Coliform Count	IS 5401 (Part 1): 2002	≥ 10 CFU/g
		Yeast & Mold Count	IS 5403: 1999	≥ 10 CFU/g

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		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) /25g
		Shigella	IS 5887 (Part 7): 1999	Qualitative (Present/Absent) /25g
		Escherichia coli (Enumeration)	IS 5887 (Part 1): 1976	≥ 10 CFU/ g
		Escherichia coli (Detection)	IS 5887 (Part 1): 1976	Qualitative (Present/Absent) / g
		Staphylococcus aureus (Enumeration)	IS 5887 (Part 8, Sec 1): 2002	≥ 10 CFU/g
		Staphylococcus aureus (Detection)	IS 5887 (Part 2):1976	Qualitative (Present/Absent) /25g
<b>6.</b>	<b>Herbs, Spices &amp; Condiments</b>	Total Plate Count	IS 5402: 2002	≥ 10 CFU/g
		Coliform Count	IS 5401 (Part 1): 2002	≥ 10 CFU/g
		Yeast & Mold Count	IS 5403: 1999	≥ 10 CFU/g
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) /25g
		Shigella	IS 5887 (Part 7): 1999	Qualitative (Present/Absent) /25g
		Escherichia coli (Enumeration)	IS 5887 (Part 1): 1976	≥ 10 CFU/g

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		Escherichia coli (Detection)	IS 5887 (Part 1): 1976	Qualitative (Present/Absent) / g
		Staphylococcus aureus (Enumeration)	IS 5887 (Part 8, Sec 1): 2002	≥ 10 CFU/g
		Staphylococcus aureus (Detection)	IS 5887 (Part 2):1976	Qualitative (Present/Absent) /25g
<b>7.</b>	<b>Bakery and Confectionery Products</b>	Total Plate Count	IS 5402: 2002	≥ 10 CFU/g
		Coliform Count	IS 5401 (Part 1): 2002	≥ 10 CFU/g
		Yeast & Mold Count	IS 5403: 1999	≥ 10 CFU/g
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) /25g
		Escherichia coli (Enumeration)	IS 5887 (Part 7): 1999	≥ 10 CFU/g
		Escherichia coli (Detection)	IS 5887 (Part 1): 1976	Qualitative (Present/Absent) / g
		Staphylococcus aureus (Enumeration)	IS 5887 (Part 8, Sec 1): 2002	≥ 10 CFU/g
		Staphylococcus aureus (Detection)	IS 5887 (Part 2):1976	Qualitative (Present/Absent) /25g
<b>8.</b>	<b>Cereals Pulses and Cereal Products</b>	Total Plate Count	IS 5402: 2002	≥ 10 CFU/g
		Coliform Count	IS 5401 (Part 1): 2002	≥ 10 CFU/g
		Yeast & Mold Count	IS 5403: 1999	≥ 10 CFU/g

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		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) /25g
		Escherichia coli (Enumeration)	IS 5887 (Part 7): 1999	≥ 10 CFU/g
		Escherichia coli (Detection)	IS 5887 (Part 1): 1976	Qualitative (Present/Absent) / g
		Staphylococcus aureus (Enumeration)	IS 5887 (Part 8, Sec 1): 2002	≥ 10 CFU/g
		Staphylococcus aureus (Detection)	IS 5887 (Part 2):1976	Qualitative (Present/Absent) /25g
<b>9.</b>	<b>Non-alcoholic beverages</b>	Total Plate Count	IS 5402: 2002	≥ 10 CFU/g or ml
		Coliform Count	IS 5401 (Part 1): 2002	≥ 10 CFU/g or ml
		Yeast & Mold Count	IS 5403: 1999	≥ 10 CFU/g or ml
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) / 25g or 25 ml
<b>II.</b>	<b>WATER</b>			
<b>1.</b>	<b>Drinking Water</b>	Total Bacterial count	IS 1622: 1981 (RA 1996) & IS 5402: 2002	≥ 1 CFU/ml
		MPN coliform	IS 1622: 1981 (RA 1996)	≥1/100 ml
		Faecal Coliform	IS 1622: 1981 (RA 1996)	≥1/100 ml

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		Feacal Streptococci	IS 1622: 1981 (RA 1996) & IS 5887 (Part II) 1976 (RA 2000)	≥1/ 100ml
		Escherichia coli	IS 1622: 1981 (RA 1996) & IS 5887 (Part I) 1976 (RA 2000)	Qualitative (Absent/Present ) /100 ml
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Absent/Present )/ 25 ml
		Staphylococcus aureus	IS 5887 (Part II): 1976 (RA 2000)	Qualitative (Absent/Present ) / 25 ml
		Pseudomonas aeruginosa	Annex D of IS 13428: 2005	Qualitative (Absent/Present ) / 25 ml
<b>2</b>	<b>Packaged Drinking water</b>	Escherichia coli	IS 15185: 2002 & IS 5887 (Part I): 1976 (RA 2000)	Qualitative (Absent/Present ) / 250 ml
		Coliform Bacteria	IS 15185: 2002	Qualitative (Absent/Present ) / 250 ml
		Faecal streptococci	IS 5887 (Part II): 1976 Reaffirmed 2000	Qualitative (Absent/Present ) / 250 ml
		Staphylococcus aureus	IS 5887 (Part II): 1976 (RA 2000)	Qualitative (Absent/Present ) / 250 ml

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		Sulphite reducing anaerobes	Annex C of IS 13428: 2005	Qualitative (Absent/Present ) / 50 ml
		Pseudomonas aeruginosa	Annex D of IS 13428: 2005	Qualitative (Absent/Present ) / 250 ml
		Aerobic microbial count	IS 5402: 2002	≥1 CFU/ml
		Yeast & Mold	IS 5403: 1999	Qualitative (Absent/Present ) / 250 ml
		Salmonella	IS 15187: 2002 & IS 5887 (Part 3): 1999	Qualitative (Absent/Present ) / 250 ml
		Shigella	IS 5887 (Part 7): 1999	Qualitative (Absent/Present ) / 250 ml
		Vibrio Cholera	IS 5887 (Part V): 1976 (RA 2000)	Qualitative (Absent/Present ) / 250 ml
		Vibrio parahaemolyticus	IS 5887 (Part V): 1976 (RA 2000)	Qualitative (Absent/Present ) / 250 ml

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**NOTE:** The Laboratory has demonstrated competence for the stated scope for **WATER**. This however **does not fully cover** the specification requirements of **BIS for the Packaged Drinking Water as per IS:14543 and the Packaged Natural Mineral Water IS:13428**.

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Convenor

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