

Laboratory	Auriga Research Limited, #136, 6th Cross, 2nd Stage, Yeshwanthpur Industrial Suburb, Bangalore, Karnataka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	31.03.2015
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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
I. FOOD AND AGRICULTURAL PRODUCTS				
1.	Milk & Dairy Products	Total plate count	IS 5402: 2012	≥ 10 cfu/g ≥ 1 cfu/mL
		Yeast and mould count	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g ≥ 1 cfu/mL
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g ≥ 1 cfu/mL
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g or mL
		Enumeration of Coliform	IS 5401 (Part 1): 2012	≥ 10 cfu/g ≥ 1 cfu/mL
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g or mL
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g or mL
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g ≥ 1 cfu/mL
		Detection of Faecal streptococci	IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g or mL
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 10 cfu/g ≥ 1 cfu/MI

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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
	Milk & Dairy Products	Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per g or mL
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 25 g or 25 mL
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g or 25 mL
		Detection of Vibrio cholera & Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g or mL
		Faecal streptococci	IS 5887(Part 2): 1976 (RA 2009)	Present or Absent per g or mL
2.	Honey & Honey Products	Total Plate Count	IS 5402: 2012	≥ 10 cfu/g ≥ 1 cfu/mL
		Yeast & Mould Count	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g ≥ 1 cfu/mL
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g ≥ 1 cfu/mL
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g or mL
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g ≥ 1 cfu/mL
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g or mL

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	Honey & Honey Products	Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 25 g or 25 mL
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g or 25 mL
		Enumeration of Coliform	IS 5401 (Part 1): 2012	≥ 10 cfu/g ≥ 1 cfu/mL
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g or mL
		Detection of Faecal streptococci	IS 5887(Part 2): 1976 (RA 2009)	Present or Absent per g or mL
		Detection of Vibrio cholera and Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g or mL
3.	Beverages (Alcoholic/ Non – Alcoholic)	Total Plate Count	IS 5402: 2012	≥ 1 cfu/mL
		Yeast & Mould count	IS 5403: 1999 (RA 2009)	≥ 1 cfu/mL
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 1 cfu/mL
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per mL
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per mL
		Enumeration of Coliform (MPN)	IS 5401 (Part 2): 2012	0.3 MPN/mL to 110 MPN/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
	Beverages (Alcoholic/ Non – Alcoholic)	Coliform	IS 3752: 2005 (RA 2009)	Present or Absent per mL
		Enumeration of Coliform	IS 5401 (Part 1): 2012	≥ 1 cfu/mL
		Detection of Vibrio parahaemolyticus & Vibrio cholera	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per mL
		Detection of Faecal streptococci	IS 5887(Part 2): 1976 (RA 2009)	Present or Absent per mL
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 1 cfu/mL
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per mL
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per mL
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 1 cfu/mL
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 mL
	Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 25 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.	Bakery and Confectionery Products	Total Plate Count	IS 5402: 2012	≥ 10 cfu/g
		Yeast and Mould	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g or mL
		Enumeration of Coliform	IS 5401 (Part 1): 2012	≥ 10 cfu/g
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g or mL
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g or mL
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 25 g or 25 mL
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g or 25 mL
Detection of Vibrio cholera & Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g or mL		
Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 10 cfu/g		

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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
	Bakery and Confectionery Products	Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per g or mL
5.	Fruit and Fruit Products	Total Plate Count	IS 5402: 2012	≥ 10 cfu/g
		Yeast & Mould Count	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g or mL
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g
		Enumeration of Coliform	IS 5401 (Part 1): 2012	≥ 10 cfu/g
		Enumeration of Coliform (MPN)	IS 5401 (Part 2): 2012	0.3 MPN/g to 110 MPN/g
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g or mL
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g or mL
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 25 g or 25 mL
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g or 25 mL

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	Fruit and Fruit Products	Detection of Vibrio cholera & Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g or mL
		Detection of Faecal streptococci	IS 5887(Part 2): 1976 (RA 2009)	Present or Absent per g or mL
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 10 cfu/g
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per g or mL
6.	Fish and Sea Foods	Total Plate Count	IS 5402: 2012	≥ 10 cfu/g
		Yeast and mould	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g or mL
		Enumeration of Coliform	IS 5401 (Part 1): 2012	≥ 10 cfu/g
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per 25 g or 25 mL
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per 25 g or 25 mL
	Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 25 g or 25 mL	

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	Fish and Sea Foods	Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g or 25 mL
		Detection of Vibrio cholera and Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g or mL
		Detection of Faecal streptococci	IS 5887(Part 2): 1976 (RA 2009)	Present or Absent per g or mL
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 10 cfu/g
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per g or mL
		Enumeration of Pseudomonas Spp.	IS 14843: 2000 (RA 2009)	≥ 10 cfu/g
7.	Herbs, Spices & Condiments	Total Plate Count	IS 5402: 2012	≥ 10 cfu/g
		Yeast and Mould Count	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Vibrio cholera & Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g

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	Herbs, Spices & Condiments	Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 10 cfu/g
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 25 g
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g
		Enumeration of Coliform	IS 5401 (Part 1): 2012	≥ 10 cfu/g
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g
		Detection of Vibrio cholera & Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g
8.	Infant Foods	Total Plate Count	IS 5402: 2012	≥ 10 cfu/g
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g
		Enumeration of Coliform	IS 5401 (Part 2): 2012	≥ 10 cfu/g

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	Infant Foods	Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 25 g
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g
		Yeast and Mould Count	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g
		Detection of Vibrio cholera & Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g
		Detection of Faecal streptococci	IS 5887(Part 2): 1976 (RA 2009)	Present or Absent per g
9.	Cereals, Pulses & Cereal Products	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per g
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g
		Total Plate Count	IS 5402: 2012	≥ 10 cfu/g
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g
		Enumeration of Coliform	IS 5401 (Part 1): 2012	≥ 10 cfu/g
		Yeast and mould Count	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g
		Detection of Faecal streptococci	IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g

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	Cereals, Pulses & Cereal Products	Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 10 cfu/g
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per g
		Detection of Vibrio cholera & Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g
10.	Snacks and Instant Mixes	Total plate count	IS 5402: 2012	≥ 10 cfu/g
		Yeast and mould count	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Coliform	IS 5401 (Part 1): 2012	≥ 10 cfu/g
		Enumeration of Coliform (MPN)	IS 5401 (Part 2): 2012	0.3 MPN/g to 110 MPN/g
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g
	Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g	

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	Snacks and Instant Mixes	Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Faecal streptococci	IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Faecal streptococci	IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 10 cfu/g
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per g
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 25 g
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g
11.	Jams, Juices, Sauces & Concentrates	Staphylococcus aureus	IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per g
		Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g
		Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per 25 g
		Vibrio cholera	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g
		Total plate count	IS 5402: 2012	≥ 10 cfu/g

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12.	Ready to serve food	Aerobic Plate count	IS 5402: 2012	≥ 10 cfu/g
		Yeast and mould count	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g
		Coliform count	IS 5401 (Part 1): 2012/ IS 5401 (Part 2): 2012 (MPN)	≥ 10 cfu/g 0.3 MPN/g to 110 MPN/g
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Pseudomonas Spp.	IS 14843: 2000 (RA 2009)	≥ 10 cfu/g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 10 cfu/g
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per g
		Detection of Shigella spp.	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g
		Detection of Salmonella spp.	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 25 g
Detection of Clostridium perfringens	IS 5887 (Part 4): 1999 (RA 2009)	Present or Absent per 25 g		

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	Ready to serve food	Detection of Vibrio cholera & Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per 25 g
		Faecal streptococci	IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per 25 g
13.	Canned and Processed Foods	Staphylococcus aureus	IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g or mL
		Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 25 g or 25 mL
		Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g or 25 mL
		Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g or mL
		Vibrio cholera	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g or mL
		Total plate count	IS 5402: 2012	≥ 10 cfu/g ≥ 1 cfu/mL
		Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g or 25 mL
14.	Meat and Meat products	Total Plate Count	IS 5402: 2012	≥10 cfu/g
		Yeast and mould	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g

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	Meat and Meat products	Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Coliform	IS 5401 (Part 1): 2012	≥ 10 cfu/g
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per 25 g
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 25 g
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g
		Detection of Vibrio cholerae and Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per 25 g
		Detection of Faecal streptococci	IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per 25 g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 10 cfu/g
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per g
		Enumeration of Pseudomonas Spp.	IS 14843: 2000 ((RA 2009)	≥ 10 cfu/g

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15.	Eggs & Egg Products	Total Plate Count	IS 5402: 2012	≥ 10 cfu/g
		Yeast and mould Count	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Coliform	IS 5401 (Part 1): 2012	≥ 10 cfu/g
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 25 g
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g
		Detection of Vibrio cholera and Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g
		Detection of Faecal streptococci	IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 10 cfu/g
Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per g		

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	Eggs & Egg Products	Enumeration of Pseudomonas Spp.	IS 14843: 2000 (RA 2009)	≥ 10 cfu/g
16.	Nuts and Nut Products	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per g
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per g
		Total Plate Count	IS 5402: 2012	≥ 10 cfu/g
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g
		Enumeration of Coliform	IS 5401 (Part 1): 2012	≥ 10 cfu/g
		Yeast and mould	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g
		Detection of Faecal streptococci	IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Fecal Streptococci	IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 10 cfu/g

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	Nuts and Nut Products	Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per g
		Detection of Vibrio cholera and Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g
17.	Oil seeds & By-Products	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 25 g
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g
		Total Plate Count	IS 5402: 2012	≥ 10 cfu/g
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g
		Enumeration of Coliform	IS 5401 (Part 1): 2012	≥ 10 cfu/g
		Yeast and mould Count	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g
		Detection of Faecal streptococci	IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g

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	Oil seeds & By-Products	Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 10 cfu/g
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per g
		Detection of Vibrio cholera and Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g
18.	Tea	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g or mL
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per g
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per g
		Total Plate Count	IS 5402: 2012	≥ 10 cfu/g
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g
		Enumeration of Coliform	IS 5401 (Part 1): 2012	≥ 10 cfu/g
		Yeast and mould Count	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g
		Detection of Faecal streptococci	IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
	Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g	

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	Tea	Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 10 cfu/g
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per 25 g
		Detection of Vibrio cholera and Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g
19.	Coffee & Cocoa Products	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g or mL
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 25 g
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g
		Total Plate Count	IS 5402: 2012	≥ 10 cfu/g
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per 25 g
		Enumeration of Coliform	IS 5401 (Part 1): 2012	≥ 10 cfu/g
		Yeast and mould Count	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g
		Detection of Faecal streptococci	IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g

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	Coffee & Cocoa Products	Enumeration of Fecal Streptococci	IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 10 cfu/g
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per g
		Detection of Vibrio cholera and Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g
20.	Sugar and Sugar Products	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g or mL
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per g or mL
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per g or mL
		Total Plate Count	IS 5402: 2012	≥ 10 cfu/g
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g or mL

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	Sugar and Sugar Products	Enumeration of Coliform	IS 5401 (Part 1): 2012	≥ 10 cfu/g
		Yeast and mould Count	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g
		Detection of Faecal streptococci	IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 10 cfu/g
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per g
		Detection of Vibrio cholera and Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g
21.	Animal feed	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 25 g
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2005)	Present or Absent per 25 g

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	Animal feed	Total Plate Count	IS 5402: 2012	≥ 10 cfu/g
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g
		Enumeration of Coliform	IS 5401 (Part 1): 2012	≥ 10 cfu/g
		Yeast and mould Count	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g
		Detection of Faecal streptococci	IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 10 cfu/g
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per g
		Detection of Vibrio cholera and Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g

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22.	Vegetable and Vegetable products	Total Plate Count	IS 5402: 2012	≥ 10 cfu/g
		Yeast & Mould Count	IS 5403: 1999 (RA 2009)	≥ 10 cfu/g
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2005)	Present or Absent per g
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	≥ 10 cfu/g
		Enumeration of Coliform	IS 5401 (Part 1): 2012,	≥ 10 cfu/g
		Enumeration of Coliform (MPN)	IS 5401 (Part 2): 2012	0.3 MPN/g to 110 MPN/g
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	≥ 10 cfu/g
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 25 g
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g
		Detection of Vibrio cholerae & Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g
Detection of Faecal streptococci	IS 5887 (Part 2): 1976 (RA 2009)	Present or Absent per g		

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	Vegetable and Vegetable products	Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 10 cfu/g
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per g
II. DRUGS AND PHARMACEUTICALS				
1.	Microbial Limit Test	Staphylococcus aureus	IP 2014, Volume I, Appendix 2.2.9, Page No. 38	Present or Absent per g or mL
		Escherichia coli	IP 2014, Volume I, Appendix 2.2.9, Page No. 38	Present or Absent per g or mL
		Pseudomonas aeruginosa	IP 2014, Volume I, Appendix 2.2.9, Page No. 38	Present or Absent per g or mL
		Salmonella	IP 2014, Volume I, Appendix 2.2.9, Page No. 38	Present or Absent per g or mL
		Shigella	IP 2014, Volume I, Appendix 2.2.9, Page No. 38	Present or Absent per g or mL
		Clostridia	IP 2014, Volume I, Appendix 2.2.9, Page No. 38	Present or Absent per g or mL
		Total Viable Aerobic count	IP 2014, Volume I, Appendix 2.2.9, Page No. 38	≥ 10 cfu/mL/g
		Total yeast and mould count	IP 2014, Volume I, Appendix 2.2.9, Page No. 38	≥ 10 cfu/mL/g
2.	Sterility tests	Sterility	IP 2014, Volume I, Appendix 2.2.11, Page No. 59	Qualitative (Complies/does not comply)

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3.	Ayurvedic Drugs	Staphylococcus aureus	API (Part II), Volume-II, Appendix: 2.4, Part I98	Present or Absent per g or mL
		Salmonella spp.	API (Part II), Volume-II, Appendix: 2.4, Part I96	Present or Absent per g or mL
		Pseudomonas aeruginosa	API (Part II) Volume-II, Appendix: 2.4, Part I97	Present or Absent per g or mL
		Escherichia coli	API (Part II), Volume-II, Appendix: 2.4, Part I96	Present or Absent per g or mL
		Total microbial plate count (TPC)	API (Part II), Volume-II, Appendix: 2.4, Part I94	≥ 10 cfu/g ≥ 1 cfu/mL
		Total yeast & mould	API (Part II), Volume-II, Appendix: 2.4, Part I94	≥ 10 cfu/g ≥ 1 cfu/mL
III. WATER				
1.	Drinking water	Coliform	IS 1622: 1981 (RA 1996)	2 MPN/100mL to 1600 MPN/100 mL
		Escherichia coli	IS 1622: 1981 (RA 1996)	Present or Absent per mL
2.	Water For Processed Food Industry	Slime forming bacteria	IS 1622: 1981 (RA 1996)	Present or Absent per mL
		Escherichia coli	IS 5887 (Part 1): 1976 (RA 2005)	Present or Absent per mL
		Coliform count	IS 5401 (Part 1): 2012	≥1 cfu/mL

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	Water For Processed Food Industry	Yeast & mould count	IS 5403: 1999 (RA 2009)	≥10 cfu/mL
3.	Distilled / De-mineralized Water	Total viable aerobic count	IP 2014, Volume I, Appendix 2.2.9, Page No. 40,42	≥ 10 cfu/mL
		Escherichia coli	IP 2014, Volume I, Appendix 2.2.9, Page No. 45	Present or Absent per 100 mL
		Salmonella	IP 2014, Volume I, Appendix 2.2.9, Page No. 45	Present or Absent per 100 mL
		Pseudomonas aeruginosa	IP 2014, Volume I, Appendix 2.2.9, Page No. 46	Present or Absent per 100 mL
		Staphylococcus aureus	IP 2014, Volume I, Appendix 2.2.9, Page No. 46	Present or Absent per 100 mL
IV.	COSMETICS AND ESSENTIAL OILS			
1.	Cosmetics And Essential Oils	Total Viable count	IS 14648: 2011	≥10 cfu/g/mL
		Staphylococcus aureus	IS 14648: 2011	Present or Absent per g or mL
		Escherichia coli	IS 14648: 2011	Present or Absent per g or mL
		Pseudomonas aeruginosa	IS 14648: 2011	Present or Absent per g or mL
		Candida albicans	IS 14648: 2011	Present or Absent per g or mL
		Total Yeast and Mould Count	IS 14648: 2011	≥10 cfu/g or mL

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