Laboratory		Auriga Research Limited, #136, 6 th Cross, 2 nd Stage, Yeshwanthpur Industrial Suburb, Bangalore, Karnataka					
Acc	reditation Standard	ISO/IEC 17025: 2005	ISO/IEC 17025: 2005				
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I.	FOOD AND AGRICU	LTURAL PRODUCTS					
1.	Milk & Dairy Products	Total plate count	IS 5402: 2012	$\geq 10 \text{ cfu/g}$ $\geq 1 \text{ cfu/mL}$			
		Yeast and mould count	IS 5403: 1999 (RA 2009)	$\geq 10 \text{ cfu/g}$ $\geq 1 \text{ cfu/mL}$			
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	$\geq 10 \text{ cfu/g}$ $\geq 1 \text{ cfu/mL}$			
		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	$\geq 10 \text{ cfu/g}$ $\geq 1 \text{ cfu/mL}$			
		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)	\geq 10 cfu/g \geq 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)	$\geq 10 \text{ cfu/g}$ $\geq 1 \text{cfu/Ml}$			

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	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	\geq 10 cfu/g \geq 1 cfu/mL			
		Yeast & Mould Count	IS 5403: 1999 (RA 2009)	\geq 10 cfu/g \geq 1 cfu/mL			
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	\geq 10 cfu/g \geq 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)	-			
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	1 0			

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed			
	Honey & Honey Products	Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 200	· ·	sent or Absent per 25 r 25 mL	
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 200	· ·	sent or Absent per 25 r 25 mL	
		Enumeration of Coliform	IS 5401 (Part 1): 2012		0 cfu/g cfu/mL	
		Detection of Coliform	IS 5401 (Part 1): 2012	Pre or r	sent or Absent per g nL	
		Detection of Faecal streptococci	IS 5887(Part 2): 1976 (RA 2009	9) Pre or r	sent or Absent per g nL	
		Detection of Vibrio cholera and Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 200	9) Pre or r	sent or Absent per g nL	
3.	Beverages (Alsoholis/Non	Total Plate Count	IS 5402: 2012	≥ 1	cfu/mL	
	(Alcoholic/ Non – Alcoholic)	Yeast & Mould count	IS 5403: 1999 (RA 2009)	≥1	cfu/mL	
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 200	9) ≥1	cfu/mL	
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 200	9) Pre mL	sent or Absent per	
		Detection of Coliform	IS 5401 (Part 1): 2012	Pre mL	sent or Absent per	
		Enumeration of Coliform (MPN)	IS 5401 (Part 2): 2012		MPN/mL to 110 N/mL	

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	Beverages (Alcoholic/ Non – Alcoholic)	Coliform	IS 3752: 2005 (RA 2009)	Pres mL	sent or Absent per		
	Alconolic)	Enumeration of Coliform	IS 5401 (Part 1): 2012	≥1	cfu/mL		
		Detection of Vibrio parahaemolyticus &Vibrio cholera	IS 5887 (Part 5): 1976 (RA 200	9) Pres mL	sent or Absent per		
		Detection of Faecal streptococci	IS 5887(Part 2): 1976 (RA 2009	9) Pres mL	sent or Absent per		
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥ 1	cfu/mL		
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Pre: mL	sent or Absent per		
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 201 IS 5887 (Part 2): 1976 (RA 200		sent or Absent per		
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 201 IS 5887 (Part 2): 1976 (RA 200		cfu/mL		
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 200	9) Pres mL	sent or Absent per 25		
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 200	9) Pres mL	sent or Absent per 25		

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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	Total Plate Count	IS 5402: 2012	$\geq 10 \text{ cfu/g}$
	Products	Yeast and Mould	IS 5403: 1999 (RA 2009)	$\geq 10 \text{ cfu/g}$
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	$\geq 10 \text{ cfu/g}$
		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	$\geq 10 \text{ cfu/g}$
		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)	$\geq 10 \text{ cfu/g}$
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per 2 g or 25 mL
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 2. 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)	$\geq 10 \text{ cfu/g}$

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	Bakery and Confectionery Products	Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)		esent or Absent per g mL
5.	Fruit and Fruit	Total Plate Count	IS 5402: 2012		0 cfu/g
	Products	Yeast & Mould Count	IS 5403: 1999 (RA 2009)	≥ 1	0 cfu/g
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 200	,	esent or Absent per g mL
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 200	9) ≥1	0 cfu/g

Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	$\geq 10 \text{ cfu/g}$
Enumeration of Coliform	IS 5401 (Part 1): 2012	$\geq 10 \text{ cfu/g}$
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)	$\geq 10 \text{ cfu/g}$
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)	$\geq 10 \text{ cfu/g}$
		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	$\geq 10 \text{ cfu/g}$
		Yeast and mould	IS 5403: 1999 (RA 2009)	$\geq 10 \text{ cfu/g}$
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	$\geq 10 \text{ cfu/g}$
		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	$\geq 10 \text{ cfu/g}$
		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)	$\geq 10 \text{ cfu/g}$
		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)	$\geq 10 \text{ cfu/g}$	
		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)	$\geq 10 \text{ cfu/g}$	
7.	Herbs, Spices & Condiments	Total Plate Count	IS 5402: 2012	$\geq 10 \text{ cfu/g}$	
	Condiments	Yeast and Mould Count	IS 5403: 1999 (RA 2009)	$\geq 10 \text{ cfu/g}$	
		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)	$\geq 10 \text{ cfu/g}$	
		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)	$\geq 10 \text{ cfu/g}$	
		Detection of Vibrio cholera & Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Present or Absent per g	

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	Herbs, Spices &	Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Pres	sent or Absent per g		
	Condiments	Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	≥10) cfu/g		
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 2009) Pres	sent or Absent per 25		
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009	·	sent or Absent per 25		
		Enumeration of Coliform	IS 5401 (Part 1): 2012	$g \ge 10$) cfu/g		
		Detection of Coliform	IS 5401 (Part 1): 2012	Pres	sent or Absent per g		
		Detection of Vibrio cholera & Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009) Pres	sent 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) Pres	sent 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	,	sent or Absent per g		
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012 IS 5887 (Part 2): 1976 (RA 2009	,) cfu/g		
		Detection of Coliform	IS 5401 (Part 1): 2012	Pres	sent 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)	$\geq 10 \text{ cfu/g}$
		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 &	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	$\geq 10 \text{ cfu/g}$
	Cereal Products	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
		Total Plate Count	IS 5402: 2012	$\stackrel{\text{g}}{\geq}$ 10 cfu/g
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g
		Enumeration of Coliform	IS 5401 (Part 1): 2012	\geq 10 cfu/g
		Yeast and mould Count	IS 5403: 1999 (RA 2009)	$\geq 10 \text{ cfu/g}$
		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)	$\geq 10 \text{ cfu/g}$

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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)			
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)			
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	$\geq 10 \text{ cfu/g}$		
		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	Total plate count	IS 5402: 2012	$\geq 10 \text{ cfu/g}$		
	Mixes	Yeast and mould count	IS 5403: 1999 (RA 2009)	$\geq 10 \text{ cfu/g}$		
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	$\geq 10 \text{ cfu/g}$		
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	Present or Absent per g		
		Enumeration of Coliform	IS 5401 (Part 1): 2012	$\geq 10 \text{ cfu/g}$		
		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)	1 0		

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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)	5			
		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)	$\geq 10 \text{ cfu/g}$			
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	\geq 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			
	& Concentrates	Salmonella	IS 5887 (Part 3): 1999 (RA 2009)	Present or Absent per g			
		Shigella	IS 5887 (Part 7): 1999 (RA 2009)	1			
		Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	g 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	$\geq 10 \text{ cfu/g}$			

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12.	Ready to serve food	Aerobic Plate count	IS 5402: 2012		$\geq 10 \text{ cfu/g}$	
		Yeast and mould count	IS 5403: 1999 (RA 2009)		$\geq 10 \text{ cfu/g}$	
		Coliform count	IS 5401 (Part 1): 2012/ IS 5401 (Part 2): 2012 (MF	PN)	≥ 10 cfu/g 0.3 MPN/g to 110 MPN/g	
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA	A 2009)	$\geq 10 \text{ cfu/g}$	
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA	6 (RA 2009) Present or Abser		
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA IS 5887 (Part 2): 1976 (RA			
		Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976 (RA	A 2009)	Present or Absent per g	
		Enumeration of Pseudomonas Spp.	IS 14843: 2000 (RA 2009))	$\geq 10 \text{ cfu/g}$	
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 20	107)	\geq 10 cfu/g	
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 20	107)	Present or Absent per g	
		Detection of Shigella spp.	IS 5887 (Part 7): 1999 (RA	A 2009)	Present or Absent per 25 g	
		Detection of Salmonella spp.	IS 5887 (Part 3): 1999 (RA	A 2009)	Present or Absent per 25 g	
		Detection of Clostridium perfingens	IS 5887 (Part 4): 1999 (RA	4 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	\geq 10 cfu/g \geq 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	$\geq 10 \text{ cfu/g}$			
	producis	Yeast and mould	IS 5403: 1999 (RA 2009)	$\geq 10 \text{ cfu/g}$			
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	$\geq 10 \text{ cfu/g}$			

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S.No. Product / Material of Test			Range of Testing / Limits of Detection		
Meat and Meat products	Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	1 0		
	Enumeration of Coliform	IS 5401 (Part 1): 2012	$\geq 10 \text{ cfu/g}$		
	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)	-		
	Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	1		
	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)			
	Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	$\stackrel{ m g}{\geq} 10~ m cfu/g$		
	Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per g		
	Enumeration of Pseudomonas Spp.	IS 14843: 2000 ((RA 2009)	$\geq 10 \text{ cfu/g}$		

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15.	Eggs & Egg Products	Total Plate Count	IS 5402: 2012	$\geq 10 \text{ cfu/g}$			
		Yeast and mould Count	IS 5403: 1999 (RA 2009)	$\geq 10 \text{ cfu/g}$			
	Enumeration of Escherichia coli IS 5887 (Part 1		IS 5887 (Part 1): 1976 (RA 2009)	$\geq 10 \text{ cfu/g}$			
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)) Present or Absent per g			
		Enumeration of Coliform	IS 5401 (Part 1): 2012	$\geq 10 \text{ cfu/g}$			
		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)	e			
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	1 0			
		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)	\geq 10 cfu/g			
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Present or Absent per 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		
	Eggs & Egg Products	Enumeration of Pseudomonas Spp.	IS 14843: 2000 (RA 2009)	$\geq 10 \text{ cfu/g}$		
16.	Nuts and Nut Products	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 2009)	$\geq 10 \text{ cfu/g}$		
		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	$\geq 10 \text{ cfu/g}$		
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g		
		Enumeration of Coliform	IS 5401 (Part 1): 2012	$\geq 10 \text{ cfu/g}$		
		Yeast and mould	IS 5403: 1999 (RA 2009)	$\geq 10 \text{ cfu/g}$		
		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)	$\geq 10 \text{ cfu/g}$		
		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)	$\geq 10 \text{ cfu/g}$		
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	$\geq 10 \text{ cfu/g}$		

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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)	$\geq 10 \text{ cfu/g}$
	r rouucis	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 2: g
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 2. g
		Total Plate Count	IS 5402: 2012	$\geq 10 \text{ cfu/g}$
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g
		Enumeration of Coliform	IS 5401 (Part 1): 2012	$\geq 10 \text{ cfu/g}$
		Yeast and mould Count	IS 5403: 1999 (RA 2009)	$\geq 10 \text{ cfu/g}$
		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)	$\geq 10 \text{ cfu/g}$
		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)	$\geq 10 \text{ cfu/g}$

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	Oil seeds & By- Products	Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	$\geq 10 \text{ cfu/g}$	
		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	$\geq 10 \text{ cfu/g}$	
		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	$\geq 10 \text{ cfu/g}$	
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g	
		Enumeration of Coliform	IS 5401 (Part 1): 2012	$\geq 10 \text{ cfu/g}$	
		Yeast and mould Count	IS 5403: 1999 (RA 2009)	$\geq 10 \text{ cfu/g}$	
		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	$\geq 10 \text{ cfu/g}$	
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	1 0	

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	Tea	Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	$\geq 10 \text{ cfu/g}$
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	$\geq 10 \text{ cfu/g}$
		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	Enumeration of Escherichia coli IS 5887 (Part 1): 1976 (RA 2009) ≥	\geq 10 cfu/g	
	Products	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 Total Plate Count	Detection of Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Present or Absent per 25 g
		Total Plate Count	IS 5402: 2012	$\geq 10 \text{ cfu/g}$
		Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per 25 g
		Enumeration of Coliform	IS 5401 (Part 1): 2012	$\geq 10 \text{ cfu/g}$
		Yeast and mould Count	IS 5403: 1999 (RA 2009)	$\geq 10 \text{ cfu/g}$
		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)	$\geq 10 \text{ cfu/g}$		
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	1 0		
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	e		
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	\geq 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)	$\geq 10 \text{ cfu/g}$		
	Froducis	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	$\geq 10 \text{ cfu/g}$		
		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	0 cfu/g	
		Yeast and mould Count	IS 5403: 1999 (RA 2009)	≥ 10	0 cfu/g	
		Detection of Faecal streptococci	IS 5887 (Part 2): 1976 (RA 20	09) Pre	sent or Absent per g	
		Enumeration of Fecal Streptococci	IS 5887 (Part 2): 1976 (RA 20	09) ≥ 10	0 cfu/g	
		Detection of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 20 IS 5887 (Part 2): 1976 (RA 20	,	sent or Absent per g	
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 20 IS 5887 (Part 2): 1976 (RA 20	,) cfu/g	
		Enumeration of Enterobacteriaceae	, IS/ISO 7402: 1993 (RA 2007)	≥ 10	0 cfu/g	
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 2007)	Pres	sent or Absent per g	
		Detection of Vibrio cholera and Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 (RA 20	09) Pres	sent or Absent per g	
21.	Animal feed	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 (RA 20	$(09) \geq 10$	0 cfu/g	
		Detection of Escherichia coli	IS 5887 (Part 1): 1976 (RA 20	(09) Pre	sent or Absent per g	
		Detection of Salmonella	IS 5887 (Part 3): 1999 (RA 20	009) Pres g	sent or Absent per 25	
		Detection of Shigella	IS 5887 (Part 7): 1999 (RA 20	905) Pres g	sent or Absent per 25	

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Animal feed	Total Plate Count	IS 5402: 2012	$\geq 10 \text{ cfu/g}$
	Detection of Coliform	IS 5401 (Part 1): 2012	Present or Absent per g
	Enumeration of Coliform	IS 5401 (Part 1): 2012	$\geq 10 \text{ cfu/g}$
	Yeast and mould Count	IS 5403: 1999 (RA 2009)	$\geq 10 \text{ cfu/g}$
	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)	$\geq 10 \text{ cfu/g}$
	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)	$\geq 10 \text{ cfu/g}$
	Enumeration of Enterobacteriaceae	, IS/ISO 7402: 1993 (RA 2007)	$\geq 10 \text{ cfu/g}$
	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		$\geq 10 \text{ cfu/g}$		
		Yeast & Mould Count	IS 5403: 1999 (RA 2009)	\geq 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)	$\geq 10 \text{ cfu/g}$		
		Enumeration of Coliform	IS 5401 (Part 1): 2012,	$\geq 10 \text{ cfu/g}$		
		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)	1 0		
		Enumeration of Staphylococcus aureus	IS 5887 (Part 8): 2002 (RA 2012) IS 5887 (Part 2): 1976 (RA 2009)	e		
		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 20) 07) ≥ 1	0 cfu/g	
		Detection of Enterobacteriaceae	IS/ISO 7402: 1993 (RA 20	007) Pre	esent or Absent per g	
II.	DRUGS AND PHARM	IACEUTICALS				
1.	Microbial Limit Test	Staphylococcus aureus	IP 2014, Volume I, Append 2.2.9, Page No. 38	dix Pre or	esent or Absent per g mL	
		Escherichia coli	IP 2014, Volume I, Append 2.2.9, Page No. 38	dix Pre or	esent or Absent per g mL	
		Pseudomonas aeruginosa	IP 2014, Volume I, Appen 2.2.9, Page No. 38	dix Pre or	esent or Absent per g mL	
		Salmonella	IP 2014, Volume I, Append 2.2.9, Page No. 38	dix Pre or	esent or Absent per g mL	
		Shigella	IP 2014, Volume I, Append 2.2.9, Page No. 38	dix Pre or	esent or Absent per g mL	
		Clostridia	IP 2014, Volume I, Append 2.2.9, Page No. 38		esent or Absent per g mL	
		Total Viable Aerobic count	IP 2014, Volume I, Append 2.2.9, Page No. 38	dix ≥ 1	0 cfu/mL/g	
		Total yeast and mould count	IP 2014, Volume I, Append 2.2.9, Page No. 38	dix ≥ 1	0 cfu/mL/g	
2.	Sterility tests	Sterility	IP 2014, Volume I, Appen 2.2.11, Page No. 59	(Če	alitative omplies/does not nply)	

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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	$\geq 10 \text{ cfu/g}$ $\geq 1 \text{ cfu/mL}$			
		Total yeast &mould	API (Part II), Volume-II, Appendix: 2.4, Part I94	$\geq 10 \text{ cfu/g}$ $\geq 1 \text{ cfu/mL}$			
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 200.	5) Present or Absent per mL			
		Coliform count	IS 5401 (Part 1): 2012	$\geq 1 \text{ cfu/mL}$			

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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	$x \ge 10$) cfu/mL	
		Escherichia coli	IP 2014, Volume I, Appendix 2.2.9, Page No. 45		sent or Absent per mL	
		Salmonella	IP 2014, Volume I, Appendix 2.2.9, Page No. 45		ent or Absent per mL	
		Pseudomonas aeruginosa	IP 2014, Volume I, Appendix 2.2.9, Page No. 46	x Pres 100	sent or Absent per mL	
		Staphylococcus aureus	IP 2014, Volume I, Appendix 2.2.9, Page No. 46		ent or Absent per mL	
IV.	COSMETICS AND ES	SENTIAL OILS				
1.	Cosmetics And	Total Viable count	IS 14648: 2011	≥10	cfu/g/mL	
	Essential Oils	Staphylococcus aureus	IS 14648: 2011	Pres or n	sent or Absent per g nL	
		Escherichia coli	IS 14648: 2011	Pres or n	sent or Absent per g nL	
		Pseudomonas aeruginosa	IS 14648: 2011	Pres or n	sent or Absent per g nL	
		Candida albicans	IS 14648: 2011	Pres or n	sent or Absent per g nL	
		Total Yeast and Mould Count	IS 14648: 2011	≥10	cfu/g or mL	

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