

Laboratory	Monarch Nuclear Counting Laboratory, A Unit of Monarch Biotech Pvt. Ltd., 37-A, SIDCO Industrial Estate, Thirumazhisai, Chennai, Tamil Nadu		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	24.05.2015
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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.	Animal Feeds	E.Coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Coliform	IS 5401 (Part 1): 2012	≤10 cfu/g or ≤1cfu/ml (Enumeration)
			IS 5401 (Part 2): 2012	Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Total Bacterial Count	IS 5402: 2012	≤10 cfu/g or ≤1cfu/ml
			USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1cfu/ml
		Yeast & Mould	IS 5403: 1999 ((RA 2009))	≤10 cfu/g or ≤1cfu/ml
			USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1cfu/ml

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	Animal Feeds	Staphylococcus Aureus Coagulase Positive	IS 5887 (Part 8/Sec I): 2002 (RA 2012)	≤10 cfu/g or ≤1cfu/ml
			USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2005)	Qualitative (Present/Absent)/25 g/25 ml
			USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25 g/25 ml
		Bacillus Cereus	IS 5887 (Part 6): 2012 USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
	Listeria Monocytogenes	IS 14988 (Part 1): 2001 (RA 2012)	Qualitative (Present/Absent)/25 g/25 ml	
		USFDA-BAM 2011 Chapter 10	Qualitative (Present/Absent)/25 g/25 ml	
2.	Bakery & Confectionery Products	E.Coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/Absent)/g/ml
				USFDA-BAM 2001 Chapter 4
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)

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	Bakery & Confectionery Products	Coliform	IS 5401 (Part 1): 2012	≤10 cfu/g or ≤1 cfu/ml(Enumeration)
			IS 5401 (Part 2): 2012	Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1 cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Total Bacterial Count	IS 5402: 2012 USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml
		Yeast & Mould	IS 5403: 1999 (RA 2009) USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2005) USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Staphylococcus Aureus (Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012) USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml
	Shigella	IS 5887 (Part 7): 1999 (RA 2009) USFDA-BAM 2001 Chapter 6	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/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
	Bakery & Confectionery Products	Bacillus Cereus	IS 5887 (Part 6): 2012 USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml
3.	Beverages (Alcoholic/ Non-Alcoholic)	E.Coli	IS 5887 (Part 1): 1976 (RA 2005) USFDA-BAM 2001 Chapter 4	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1 cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml (MPN) ≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Coliform	IS 5401 (Part 1): 2012 IS 5401 (Part 2): 2012 USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml (Enumeration) Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN) ≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Total Bacterial Count	IS 5402: 2012 USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml

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	Beverages (Alcoholic/ Non-Alcoholic)	Yeast&Mould	IS 5403: 1999 (RA 2009) USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml
		Staphylococcus Aureus(Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012) USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2005) USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25g/25 ml
		Shigella	IS 5887 (Part 7): 1999 (RA 2009) USFDA-BAM 2001 Chapter 6	Qualitative (Present/Absent)/25 g/25ml Qualitative (Present/Absent)/25 g/25 ml
		Vibrio Cholerae	IS 5887 (Part 5): 1976 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative(Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Vibrio Parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Bacillus Cereus	IS 5887 (Part 6): 2012 USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml

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	Beverages (Alcoholic/ Non-Alcoholic)	Clostridium Perfringens	IS 5887 (Part 4): 1999 (RA 2005)	Qualitative (Present/Absent)/g/ml
			IS 5887 (Part 4): 1999 (RA 2005)	≤10 cfu/g or ≤1 cfu/ml
		USFDA-BAM 2001 Chapter 16	≤10 cfu/g or ≤1 cfu/ml	
		Listeria Monocytogenes	IS 14988 (Part 1): 2001 (RA 2012)	Qualitative (Present/Absent)/25g/25 ml
			USFDA-BAM 2011 Chapter 10	Qualitative (Present/Absent)/25 g/25 ml
	Incubation Test @37°C	IS 2860: 1964 (RA 2008)	Qualitative (Passes/Fail)	
	Incubation Test @55°C	IS 2860: 1964 (RA 2008)	Qualitative (Passes/Fail)	
4.	Canned & Processed Foods	E.Coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1 cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml (MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1 cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)

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	Canned & Processed Foods	Coliform	IS 5401 (Part 1): 2012	≤10 cfu/g or ≤1cfu/ml (Enumeration)
			IS 5401 (Part 2): 2012	Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Total Bacterial Count	IS 5402: 2012 USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Yeast & Mould	IS 5403: 1999 (RA 2009) USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Staphylococcus Aureus(Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012) USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2005) USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25g/25 ml Qualitative (Present/Absent)/25g/25 ml
	Shigella	IS 5887 (Part 7): 1999 (RA 2009) USFDA-BAM 2001 Chapter 6	Qualitative (Present/Absent)/25g/25 ml Qualitative (Present/Absent)/25g/25 ml	

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	Canned & Processed Foods	Bacillus Cereus	IS 5887 (Part 6) 2012 USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Clostridium Perfringens	IS 5887 (Part 4): 1999 (RA 2005)	Qualitative (Present/Absent)/g/ml
			IS 5887 (Part 4): 1999 (RA 2005) USFDA-BAM 2001 Chapter 16	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Listeria Monocytogenes	IS 14988 (Part 1): 2001 (RA 2012) USFDA-BAM 2011 Chapter 10	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Incubation Test @ 37°C	IS 2860: 1964 RA 2008	Qualitative (Passes/Fail)
		Incubation Test @55°C	IS 2860: 1964 RA 2008	Qualitative (Passes/Fail)
5.	Cereals, Pulses & Cereal Products	E.Coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)

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	Cereals, Pulses & Cereal Products	E.Coli	USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Coliform	IS 5401 (Part 1): 2012	≤10 cfu/g or ≤1cfu/ml (Enumeration)
			IS 5401 (Part 2): 2012	Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Total Bacterial Count	IS 5402: 2012 USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml
		Yeast & Mould	IS 5403: 1999 (RA 2009) USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml
		Staphylococcus Aureus (Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012) USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml
	Salmonella	IS 5887 (Part 3): 1999 (RA 2005) USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml	

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	Cereals, Pulses & Cereal Products	Shigella	IS 5887 (Part 7):1999 (RA 2009) USFDA-BAM 2001 Chapter 6	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Vibrio Cholerae	IS 5887 (Part 5):1976 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Bacillus Cereus	IS 5887 (Part 6): 2012 USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml
		Clostridium Perfringens	IS 5887 (Part 4): 1999 (RA 2005)	Qualitative (Present/Absent)/g/ml
			IS 5887 (Part 4): 1999 (RA 2005) USFDA-BAM 2001 Chapter 16	≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml
6.	Coffee & Cocoa Products	E.Coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)

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	Coffee & Cocoa Products	Coliform	IS 5401 (Part 1): 2012	≤10 cfu/g or ≤1cfu/ml (Enumeration)
			IS 5401 (Part 2): 2012	Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Total Bacterial Count	IS 5402: 2012	≤10 cfu/g or ≤1cfu/ml
			USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1cfu/ml
		Yeast & Mould	IS 5403: 1999 (RA 2009)	≤10 cfu/g or ≤1cfu/ml
			USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1cfu/ml
		Staphylococcus Aureus (Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012)	≤10 cfu/g or ≤1cfu/ml
			USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2005)	Qualitative (Present/Absent)/25 g/25ml
		USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25g/25ml	
	Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Qualitative (Present/Absent)/25 g/25 ml	
		USFDA-BAM 2001 Chapter 6	Qualitative (Present/Absent)/25 g/25 ml	

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	Coffee & Cocoa Products	Bacillus Cereus	IS 5887 (Part 6): 2012 USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Clostridium Perfringens	IS 5887 (Part 4): 1999 (RA 2005) IS 5887 (Part 4): 1999 (RA 2005) USFDA-BAM 2001 Chapter 16	Qualitative (Present/Absent)/g/m ≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Listeria Monocytogenes	IS 14988 (Part 1): 2001 (RA 2012) USFDA – BAM 2011 Chapter 10	Qualitative (Present/Absent)/25g/25 ml Qualitative (Present/Absent)/25g/25 ml
7.	Eggs & Egg Products	E.Coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Coliform	IS 5401 (Part 1): 2012 IS 5401 (Part 2): 2012	≤10 cfu/g or ≤1cfu/ml (Enumeration) Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)

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	Eggs & Egg Products	Coliform	USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100MPN)/g /ml(MPN)
		Total Bacterial Count	IS 5402: 2012 USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Yeast & Mould	IS 5403: 1999 (RA 2009) USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Staphylococcus Aureus (Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012) USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2005) USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Shigella	IS 5887 (Part 7): 1999 (RA 2009) USFDA-BAM 2001 Chapter 6	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Vibrio Cholerae	IS 5887 (Part 5):1976 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml

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	Eggs & Egg Products	Vibrio Parahaemolyticus	IS 5887 (Part 5):1976 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Bacillus Cereus	IS 5887 (Part 6): 2012 USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Clostridium Perfringens	IS 5887 (Part 4): 1999 (RA 2005)	Qualitative (Present/Absent)/g/ml
			IS 5887 (Part 4): 1999 (RA 2005) USFDA-BAM 2001 Chapter 16	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Listeria Monocytogenes	IS 14988 (Part 1): 2001 (RA 2012) USFDA-BAM 2011 Chapter 10	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
8.	Fish & Sea Foods	E.Coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)

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	Fish & Sea Foods	Coliform	IS 5401 (Part 1): 2012	≤10 cfu/g or ≤1cfu/ml (Enumeration)
			IS 5401 (Part 2): 2012	Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Total Bacterial Count	IS 5402: 2012 USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Yeast & Mould	IS 5403: 1999 (RA 2009) USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Staphylococcus Aureus (Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012) USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2005) USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
	Shigella	IS 5887 (Part 7): 1999 (RA 2009) USFDA-BAM 2001 Chapter	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml	

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		Vibrio Cholerae	IS 5887 (Part 5):1976 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Vibrio Parahaemolyticus	IS 5887 (Part 5):1976 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Clostridium Perfringens	IS 5887 (Part 4): 1999 (RA 2005) IS 5887 (Part 4): 1999 (RA 2005) USFDA-BAM 2001 Chapter 16	Qualitative (Present/Absent)/g/ml ≤ 10 cfu/g or ≤ 1 cfu/ml ≤ 10 cfu/g or ≤ 1 cfu/ml
		Listeria Monocytogenes	IS 14988 (Part 1): 2001 (RA 2012) USFDA-BAM 2011 Chapter 10	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
9.	Fruit & Fruit Products	E.Coli	IS 5887 (Part 1): 1976 (RA 2005) USFDA-BAM 2001 Chapter 4	Qualitative (Present/Absent)/g/ml ≤ 10 cfu/g or ≤ 1 cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN) ≤ 10 cfu/g or ≤ 1 cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)

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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
	Fruit & Fruit Products	Coliform	IS 5401 (Part 1): 2012	≤10 cfu/g or ≤1cfu/ml (Enumeration)
			IS 5401 (Part 2): 2012	Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Total Bacterial Count	IS 5402: 2012	≤10 cfu/g or ≤1 cfu/ml
			USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1 cfu/ml
		Yeast & Mould	IS 5403: 1999 (RA 2009)	≤10 cfu/g or ≤1 cfu/ml
			USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1 cfu/ml
		Staphylococcus Aureus (Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012)	≤10 cfu/g or ≤1 cfu/ml
			USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1 cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2005)	Qualitative (Present/Absent)/25 g/25 ml
	USFDA-BAM 2014 Chapter 5		Qualitative (Present/Absent)/25 g/25 ml	
	Bacillus Cereus	IS 5887 (Part 6): 2012	≤10 cfu/g or ≤1 cfu/ml	
		USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1 cfu/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
	Fruit & Fruit Products	Clostridium Perfringens	IS 5887 (Part 4): 1999 (RA 2005)	Qualitative (Present/Absent)/g/ml
			IS 5887 (Part 4): 1999 (RA 2005)	≤10 cfu/g or ≤1 cfu/ml
			USFDA-BAM 2001 Chapter 16	≤10 cfu/g or ≤1 cfu/ml
		Listeria Monocytogenes	IS 14988 (Part 1): 2001 (RA 2012) USFDA-BAM 2011 Chapter 10	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Incubation Test @37°C	IS 2860: 1964 (RA 2008)	Qualitative (Passes/Fail)
		Incubation Test @55°C	IS 2860: 1964 (RA 2008)	Qualitative (Passes/Fail)
10.	Herbs, Spices & Condiments	E.Coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1 cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
				USFDA-BAM 2001 Chapter 4

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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
	Herbs, Spices & Condiments	Coliform	IS 5401 (Part 1): 2012	≤10 cfu/g or ≤1cfu/ml (Enumeration)
			IS 5401 (Part 2): 2012	Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Total Bacterial Count	IS 5402: 2012 USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Yeast & Mould	IS 5403: 1999 (RA 2009) USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Staphylococcus aureus (Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012) USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2005) USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Shigella	IS 5887 (Part 7): 1999 (RA 2009) USFDA-BAM 2001 Chapter 6	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/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
	Herbs, Spices & Condiments	Bacillus Cereus	IS 5887 (Part 6): 2012 USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Clostridium Perfringens	IS 5887 (Part 4): 1999 (RA 2005) IS 5887 (Part 4): 1999 (RA 2005) USFDA-BAM 2001 Chapter 16	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
11.	Honey & Honey Products	E.Coli	IS 5887 (Part 1): 1976 (RA 2005) USFDA-BAM 2001 Chapter 4	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN) ≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Coliform	IS 5401 (Part 1): 2012 IS 5401 (Part 2): 2012 USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml (Enumeration) Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN) ≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)

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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
	Honey & Honey Products	Total Bacterial Count	IS 5402: 2012 USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Yeast & Mould	IS 5403: 1999 (RA 2009) USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Staphylococcus aureus (Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012) USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2005) USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Bacillus Cereus	IS 5887 (Part 6): 2012 USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Clostridium Perfringens	IS 5887 (Part 4): 1999 (RA 2005) IS 5887 (Part 4): 1999 (RA 2005)	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml
			USFDA-BAM 2001 Chapter 16	≤10 cfu/g or ≤1cfu/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
12.	Infant Foods	E.Coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Coliform	IS 5401 (Part 1): 2012	≤10 cfu/g or ≤1cfu/ml (Enumeration)
			IS 5401 (Part 2): 2012	Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Total Bacterial Count	USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			IS 5402: 2012 USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
Yeast & Mould	IS 5403: 1999 (RA 2009) USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/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
	Infant Foods	Staphylococcus Aureus (Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012) USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2005) USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25g/25ml
		Shigella	IS 5887 (Part 7): 1999 (RA 2009) USFDA-BAM 2001 Chapter 6	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Bacillus Cereus	IS 5887 (Part 6): 2012 USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Clostridium Perfringens	IS 5887 (Part 4): 1999 (RA 2005)	Qualitative (Present/Absent)/g/ml
			IS 5887 (Part 4): 1999 (RA 2005) USFDA-BAM 2001 Chapter 16	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Listeria Monocytogenes	IS 14988 (Part 1): 2001 (RA 2012) USFDA-BAM 2011 Chapter 10	Qualitative (Present/Absent)/25g/25 ml Qualitative (Present/Absent)/25 g/25 ml

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	Infant Foods	Accelerated Storage Test	IS 1166:1986 RA 2013	Qualitative (Passes/Fail)
		Incubation Test @37°C	IS 2860: 1964 (RA 2008)	Qualitative (Passes/Fail)
		Incubation Test @55°C	IS 2860: 1964 (RA 2008)	Qualitative (Passes/Fail)
13.	Jams, Juices, Sauces & Concentrates	E.Coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Coliform	IS 5401 (Part 1): 2012	≤10 cfu/g or ≤1cfu/ml (Enumeration)
			IS 5401 (Part 2): 2012	Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)

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	Jams, Juices, Sauces & Concentrates	Total Bacterial Count	IS 5402: 2012 USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml
		Yeast & Mould	IS 5403: 1999 (RA 2009) USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml
		Staphylococcus Aureus (Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012) USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2005) USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Shigella	IS 5887 (Part 7): 1999 (RA 2009) USFDA-BAM 2001 Chapter 6	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Bacillus Cereus	IS 5887 (Part 6): 2012 USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml
		Clostridiumperfringens	IS 5887 (Part 4): 1999 (RA 2005) IS 5887 (Part 4): 1999 (RA 2005) USFDA-BAM 2001 Chapter 16	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1 cfu/ml ≤10 cfu/g or ≤1 cfu/ml

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	Jams, Juices, Sauces & Concentrates	Listeria Monocytogenes	IS 14988 (Part 1): 2001 (RA 2012) USFDA-BAM 2011 Chapter 10	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Incubation Test @37°C	IS 2860: 1964 (RA 2008)	Qualitative(Passes/Fail)
		Incubation Test @55°C	IS 2860: 1964 (RA 2008)	Qualitative(Passes/Fail)
14.	Meat & Meat Products	E.Coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Coliform	IS 5401 (Part 1): 2012	≤10 cfu/g or ≤1cfu/ml (Enumeration)
			IS 5401 (Part 2): 2012	Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)

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	Meat & Meat Products	Total Bacterial Count	IS 5402: 2012 USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Yeast & Mould	IS 5403: 1999 (RA 2009) USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Staphylococcus Aureus (Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012) USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2005) USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Shigella	IS 5887 (Part 7): 1999 (RA 2009) USFDA-BAM 2001 Chapter 6	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Vibrio Cholerae	IS 5887 (Part 5):1976 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Vibrio Parahaemolyticus	IS 5887 (Part 5):1976 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml

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	Meat & Meat Products	Bacillus Cereus	IS 5887 (Part 6): 2012 USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Clostridiumperfringens	IS 5887 (Part 4): 1999 (RA 2005) IS 5887 (Part 4): 1999 (RA 2005)	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml
			USFDA-BAM 2001 Chapter 16	≤10 cfu/g or ≤1cfu/ml
		Listeria Monocytogenes	IS 14988 (Part 1): 2001 (RA 2012) USFDA-BAM 2011 Chapter 10	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
15.	Milk & Dairy Products	E.Coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/Absent)/g/ml (Qualitative) ≤10 cfu/g or ≤1cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)

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	Milk & Dairy Products	Coliform	IS 5401 (Part 1): 2012	≤10 cfu/g or ≤1cfu/ml (Enumeration)
			IS 5401 (Part 2): 2012	Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Total Bacterial Count	IS 5402: 2012 USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Yeast & Mould	IS 5403: 1999 (RA 2009) USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Staphylococcus Aureus (Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012)	≤10 cfu/g or ≤1cfu/ml
			USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2005)	Qualitative (Present/Absent)/25 g/25 ml
			USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25g/25ml

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	Milk & Dairy Products	Shigella	IS 5887 (Part 7): 1999 (RA 2009) USFDA-BAM 2001 Chapter 6	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Vibrio Cholerae	IS 5887:1976 Part 5 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Vibrio Parahaemolyticus	IS 5887:1976 Part 5 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Bacillus Cereus	IS 5887 (Part 6): 2012 USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Clostridium Perfringens	IS 5887 (Part 4): 1999 (RA 2005) IS 5887 (Part 4): 1999 (RA 2005) USFDA-BAM 2001 Chapter 16	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Listeria Monocytogenes	IS 14988 (Part 1): 2001 (RA 2012) USFDA-BAM 2011 Chapter 10	Qualitative (Present/Absent)/25g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Accelerated Storage Test	IS 1166:1986 (RA 2013)	Qualitative (Passes/Fail)

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	Milk & Dairy Products	Incubation Test @37°C	IS 2860: 1964 (RA 2008)	Qualitative (Passes/Fail)
		Incubation Test @ 55°C	IS 2860: 1964 (RA 2008)	Qualitative (Passes/Fail)
16.	Nuts and Nut Products	E.Coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/Absent)/g/ml (Qualitative) ≤10 cfu/g or ≤1cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Coliform	IS 5401 (Part 1): 2012	≤10 cfu/g or ≤1cfu/ml (Enumeration)
			IS 5401 (Part 2): 2012	Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Total Bacterial Count	IS 5402: 2012	≤10 cfu/g or ≤1cfu/ml
			USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1cfu/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
	Nuts and Nut Products	Yeast & Mould	IS 5403: 1999 (RA 2009) USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Staphylococcus Aureus (Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012)	≤10 cfu/g or ≤1cfu/ml
			USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2005) USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Shigella	IS 5887 (Part 7): 1999 (RA 2009) USFDA-BAM 2001 Chapter 6	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Vibrio Cholerae	IS 5887 (Part 5): 1976 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Vibrio Parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Bacillus Cereus	IS 5887 (Part 6): 2012 USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/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
	Nuts and Nut Products	Clostridium Perfringens	IS 5887 (Part 4): 1999 (RA 2005) IS 5887 (Part 4): 1999 (RA 2005)	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml
			USFDA-BAM 2001 Chapter 16	≤10 cfu/g or ≤1cfu/ml
17.	Poultry & Poultry Products	E.Coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Coliform	IS 5401 (Part 1): 2012	≤10 cfu/g or ≤1cfu/ml (Enumeration)
			IS 5401 (Part 2): 2012	Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)

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	Poultry & Poultry Products	Total Bacterial Count	IS 5402: 2012 USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Yeast & Mould	IS 5403: 1999 (RA 2009) USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Staphylococcus Aureus (Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012) USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2005) USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Shigella	IS 5887 (Part 7): 1999 (RA 2009) USFDA-BAM 2001 Chapter 6	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Vibrio Cholerae	IS 5887 (Part 5): 1976 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Vibrio Parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/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
	Poultry & Poultry Products	Bacillus Cereus	IS 5887 (Part 6): 2012 USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Clostridium Perfringens	IS 5887 (Part 4): 1999 (RA 2005) IS 5887 (Part 4): 1999 (RA 2005) USFDA-BAM 2001 Chapter 16	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Listeria Monocytogenes	IS 14988 (Part 1): 2001 (RA 2012) USFDA-BAM 2011 Chapter 10	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
18.	Snacks and Instant Mixes	E.Coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)

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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
	Snacks and Instant Mixes	Coliform	IS 5401 (Part 1): 2012	≤10 cfu/g or ≤1cfu/ml (Enumeration)
			IS 5401 (Part 2): 2012	Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Total Bacterial Count	IS 5402: 2012 USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Yeast & Mould	IS 5403: 1999 (RA 2009) USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Staphylococcus Aureus (Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012)	≤10 cfu/g or ≤1cfu/ml
			USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1cfu/ml
	Salmonella	IS 5887 (Part 3): 1999 (RA 2005) USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml	
	Shigella	IS 5887 (Part 7): 1999 (RA 2009) USFDA-BAM 2001 Chapter 6	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/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
	Snacks and Instant Mixes	Vibrio Cholerae	IS 5887 (Part 5): 1976 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Vibrio Parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Bacillus Cereus	IS 5887 (Part 6): 2012 USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Clostridium Perfringens	IS 5887 (Part 4): 1999 (RA 2005) IS 5887 (Part 4): 1999 (RA 2005) USFDA-BAM 2001 Chapter 16	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Listeria Monocytogenes	IS 14988 (Part 1): 2001 (RA 2012) USFDA-BAM 2011 Chapter 10	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Incubation Test @37°C	IS 2860: 1964 (RA 2008)	Qualitative (Passes/Fail)
		Incubation Test @55°C	IS 2860: 1964 (RA 2008)	Qualitative (Passes/Fail)

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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
19.	Tea	E.Coli	IS 5887 (Part 1): 1976 (RA 2005)	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml (Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
		Coliform	IS 5401 (Part 1): 2012	≤10 cfu/g or ≤1cfu/ml (Enumeration)
			IS 5401 (Part 2): 2012	Qualitative (Present/Absent)/g/ml (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
			USFDA-BAM 2001 Chapter 4	≤10 cfu/g or ≤1cfu/ml(Enumeration) (≥ 3 MPN to ≤ 1100 MPN)/g/ml(MPN)
Total Bacterial Count	IS 5402: 2012 USFDA-BAM 2001 Chapter 3	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml		
Yeast & Mould	IS 5403: 1999 (RA 2009) USFDA-BAM 2001 Chapter 18	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/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
	Tea	Staphylococcus Aureus (Coagulase Positive)	IS 5887 (Part 8/Sec I): 2002 (RA 2012) USFDA-BAM 2001 Chapter 12	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Salmonella	IS 5887 (Part 3): 1999 (RA 2005) USFDA-BAM 2014 Chapter 5	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Shigella	IS 5887 (Part 7): 1999 (RA 2009) USFDA-BAM 2001 Chapter 6	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Vibrio Cholerae	IS 5887 (Part 5): 1976 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Vibrio Parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009) USFDA-BAM 2009 Chapter 9	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
		Bacillus Cereus	IS 5887 (Part 6): 2012 USFDA-BAM 2001 Chapter 14	≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/ml
		Clostridium Perfringes	IS 5887 (Part 4): 1999 (RA 2005) IS 5887 (Part 4): 1999 (RA 2005) USFDA-BAM 2001 Chapter 16	Qualitative (Present/Absent)/g/ml ≤10 cfu/g or ≤1cfu/ml ≤10 cfu/g or ≤1cfu/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
	Tea	Listeria Monocytogenes	IS 14988 (Part 1): 2001 (RA 2012) USFDA-BAM 2011 Chapter 10	Qualitative (Present/Absent)/25 g/25 ml Qualitative (Present/Absent)/25 g/25 ml
II. WATER				
1.	Drinking Water Including Ground Water/Surface Water	Total Coliforms	IS 10500: 2012 IS 1622: 1981 Amd. 4 (MPN) IS 1622: 1981 (RA 2009) Amd. 4 (MF)	(≥ 2 MPN to ≤ 1600 MPN)/ 100 ml (0 to 200 Coliforms)/ 100 ml
		Thermo Tolerant Coliforms	IS 10500: 2012 IS 1622: 1981 Amd 4 (MPN)	(≥ 2 MPN to ≤ 1600 MPN)/ 100 ml
		E.Coli	(As per IS 10500: 2012) IS 1622: 1981 Amd 4(MPN) IS 1622: 1981 (RA 2009) Amd 4(MF)	(≥ 2 MPN to ≤ 1600 MPN)/ 100 ml (0 to 200 E.coli)/ 100 ml
		Enterococci/ Faecal Streptococci	IS 1622 1981 (RA 2009) Amd. 4 (MPN) IS 1622: 1981 (RA 2009) Amd. 4(MF)	(≥ 2 MPN to ≤ 1600 MPN)/ 100 ml (0 to 200 Faecal streptococci)/ 100 ml
		Standard Plate Count	IS 1622: 1981 (RA 2009) Amd. 4	>1cfu/ml
		Sulphate Reducing Bacteria	IS 1622: 1981 (RA 2009) Amd. 4	(≥ 2 MPN to ≤ 1600 MPN)/ 100 ml
		Gelatin Liquifying Bacteria	IS 1622: 1981 (RA 2009) Amd. 4	>1cfu/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
2.	Packaged Drinking Water/ Packaged Natural Mineral Water	Escherichia Coli	IS 15185: 2002 (RA 2009)	Qualitative (Present/Absent)/ 250ml
		Coliform	IS 15185: 2002 (RA 2009)	Qualitative (Present/Absent)/ 250ml
		Faecal Streptococci	IS 15186: 2002 (RA 2009)	Qualitative (Present/Absent)/ 250ml
		Staphylococcus Aureus	IS 5887 (Part 2):1976 (RA 2009)	Qualitative (Present/Absent)/ 250ml
		Sulphite Reducing Bacteria	IS 13428: 2005 Annexure C	Qualitative (Present/Absent)/ 50ml
		Pseudomonas Aeruginosa	IS 13428: 2005 Annexure D	Qualitative (Present/Absent)/ 250ml
		Total Bacterial Count at 37°C for 24h	IS 5402: 2012	Min 1cfu/ml
		Total Bacterial Count at 22°C for 72h	IS 5402: 2012	Min 1cfu/ml
		Yeast & Mould	IS 5403: 1999 (RA 2009)	Qualitative (Present/Absent)/ 250ml
		Salmonella	IS 15187: 2002 (RA 2009)	Qualitative (Present/Absent)/ 250ml
Shigella	IS 5887 (Part 7): 1999 (RA 2009)	Qualitative (Present/Absent)/ 250ml		

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	Packaged Drinking Water/ Packaged Natural Mineral Water	Vibrio Cholerae	IS 5887 (Part 5): 1976 (RA 2009)	Qualitative (Present/Absent)/ 250ml
		Vibrio Parahaemolyticus	IS 5887 (Part 5): 1976 (RA 2009)	Qualitative (Present/Absent)/ 250ml
3.	Water for Swimming Pool and Spas	Total Plate Count	IS 3328: 1993 IS 1622: 1981 (RA 2009) Amd. 4 IS 3328: 1993 (RA 2003)	≥1 CFU / ml Min: 1cfu/ml
		Total Coliforms	IS 3328: 1993 IS 1622: 1981 (RA 2009) Amd. 4	(≥ 2 MPN to ≤ 1600 MPN)/ 100 ml
4.	Water for Processed Food Industry	Standard Plate Count	IS 1622: 1981 (RA 2009)	Min: 1cfu/ml
		Coliform	IS 1622: 1981 (RA 2009)	(≥ 2 MPN to ≤ 1600 MPN)/ 100 ml
		Faecal Coliform	IS 1622: 1981 (RA 2009)	(≥ 2 MPN to ≤ 1600 MPN)/ 100 ml
		E.Coli	IS 1622: 1981 (RA 2009)	(≥ 2 MPN to ≤ 1600 MPN)/ 100 ml
		Faecal Streptococci	IS 1622: 1981 (RA 2009)	(≥ 2 MPN to ≤ 1600 MPN)/ 100 ml
		Sulphate Reducing Bacteria	IS 1622: 1981 (RA 2009)	(≥ 2 MPN to ≤ 1600 MPN)/ 100 ml
		Gelatin Liquefying Bacteria	IS 1622: 1981 (RA 2009)	Min: 1cfu/ml

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	Water for Processed Food Industry	Proteolytic Organisms	IS 4251: 1967 (RA 1992)	Min: 1cfu/ml
		Lipolytic Organisms	IS 4251: 1967 (RA 1992)	Min: 1cfu/ml
		Thermophilic Bacteria	IS 4251: 1967 (RA 1992)	Min: 1cfu/ml

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