

Laboratory	TUV India Private Limited, (Laboratory Division), Survey No. 2, Hissa No. 311 & 312, Village Sus, Tal-Mulshi, Pune, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
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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 Feed & Feed Stuffs	Total Plate Count	IS 5402: 2012	≥10 cfu/ gm, ≥1 cfu/ml	
			ISO 4833-1: 2013	≥10 cfu/ gm, ≥1 cfu/ml	
			BAM 2001 Chapter 3	≥10 cfu/ gm, ≥1 cfu/ml	
			Coliforms	IS 5401(Part 1): 2002	≥10 cfu/ gm, ≥1 cfu/ml
			BAM 2013 Chapter 4	≥3 MPN /gm/ml	
			ISO 4832: 2006	≥10 cfu/ gm, ≥1 cfu/ml	
		Yeasts & Moulds	IS 5403: 1999	≥10 cfu/ gm, ≥1 cfu/ml	
			BAM 2001 Chapter 18	≥10 cfu/ gm, ≥1 cfu/ml	
			Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualitative (Present/Absent/ 25 gms/ml)
			Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	≥100cfu/gm, ≥10 cfu/ml
				BAM 2013 Chapter 4	≥3 MPN/gm

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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
	Animal Feed & Feed Stuffs	Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualitative (Present/Absent/ 25 gms/ml)
		Enumeration of Staphylococcus aureus	IS 5887(Part 2): 1976 ISO 6888 (Part 1): 1999	≥100cfu/gm, ≥10 cfu/ml
			BAM 2014 Chapter 5	Qualitative (Present/Absent/ 25 gms/ml)
		Detection of Shigella	IS 5887 (Part 7): 1999	Qualitative (Present/Absent/ 25 gms/ml)
		Enumeration of Bacillus cereus	IS 5887 (Part 6): 2012	≥100 cfu/gm, ≥10 cfu/ml
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	≥10 cfu/gm ≥ 1cfu/ml
			ISO 21528 (Part 1): 2004	≥0.3 MPN/gm/ml
				Qualitative (Present/Absent/ 25 gms/ml)
	Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	≥100 cfu/gm, ≥10 cfu/ml	
	Detection of Vibrio cholera	IS 5887 (Part 5): 1976 ISO 21872 (Part 1): 2007 E	Qualitative (Present/Absent/ 25 gms/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
	Animal Feed & Feed Stuffs	Detection of Vibrio Parahaemolyticus	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualitative (Present/Absent/ 25 gms/ml)
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	Qualitative (Present/Absent/ 25 gms/ml)
2.	Essential Nutrients Including Vitamins	Total Plate Count	IS 5402: 2012	≥10 cfu/ gm, ≥1 cfu/ml
			ISO 4833-1: 2013	≥10 cfu/ gm, ≥1 cfu/ml
			BAM 2001 Chapter 3	≥10 cfu/ gm, ≥1 cfu/ml
			Coliforms	IS 5401 (Part 1): 2002
			BAM 2013 Chapter 4	≥3 MPN /gm/ml
			ISO 4832: 2006	≥10 cfu/ gm, ≥1 cfu/ml
		Yeasts & Moulds	IS 5403: 1999	≥10 cfu/ gm, ≥1 cfu/ml
			BAM 2001 Chapter 18	≥10 cfu/ gm, ≥1 cfu/ml
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualitative (Present/Absent/ gm/25 gms/ml)

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	Essential Nutrients Including Vitamins	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	≥ 100 cfu/gm, ≥ 10 cfu/ml
			BAM 2013 Chapter 4	≥ 3 MPN/gm
		Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualitative (Present/Absent/ 25 gms/ml)
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888 (Part 1): 1999	≥ 100 cfu/gm, ≥ 10 cfu/ml
		Detection of Salmonella	ISO 6579: 2002	Qualitative (Present/Absent/ 25 gms/ml)
			BAM 2014 Chapter 5	Qualitative (Present/Absent/ 25 gms/ml)
		Detection of Shigella	IS 5887 (Part 7): 1999	Qualitative (Present/Absent/ 25 gms/ml)
		Enumeration of Bacillus cereus	IS 5887(Part 6): 2012	≥ 100 cfu/gm, ≥ 10 cfu/ml
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004 ISO 21528 (Part 1): 2004	≥ 10 cfu/gm ≥ 1 cfu/ml ≥ 0.3 MPN/gm/ml Qualitative (Present/Absent/ 25 gms/ml)

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	Essential Nutrients Including Vitamins	Enumeration of Faecal Streptococci	IS 5887(Part 2): 1976	≥100 cfu/gm, ≥10 cfu/ml
		Detection of Vibrio cholerae	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualitative (Present/Absent/ 25 gms/ml)
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 / ISO 21872 (Part 1): 2007 E	Qualitative (Present/Absent/ 25 gms/ml)
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	Qualitative (Present/Absent/ 25 gms/ml)
3.	Beverages Alcoholic/ Non Alcoholic	Total Plate Count	IS 5402: 2012	≥10 cfu/ gm, ≥1 cfu/ml
			ISO 4833-1: 2013	≥10 cfu/ gm, ≥1 cfu/m l
			BAM 2001 Chapter 3	≥10 cfu/ gm, ≥1 cfu/ml
		Yeast & Mould Count	IS 5403: 1999	≥10 cfu/ gm, ≥1 cfu/ml
			BAM 2001 Chapter 18	≥10 cfu/ gm, ≥1 cfu/ml
		Coliform Count	IS 5401(Part 1): 2002	≥10 cfu/ gm, ≥1 cfu/ml
			BAM 2013 Chapter 4	≥ 3 MPN/gm/ml
		ISO 4832: 2006	≥10 cfu/ gm, ≥1 cfu/ml	

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	Beverages Alcoholic/ Non Alcoholic	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	≥100 cfu/gm, ≥10 cfu/ml.
			BAM 2013 Chapter 4	≥ 3 MPN /gm/ml
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualitative (Present/Absent/ 25 gms/ml)
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888 (Part 1): 1999	≥100 cfu/gm, ≥10 cfu/ml
		Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualitative (Present/Absent/ 25 gms/ml)
		Detection of Salmonella	IS 5887 (Part 3): 1999 ISO 6579: 2002	Qualitative (Present/Absent/ 25 gms/ml)
			BAM 2014 Chapter 5	Qualitative (Present/Absent/ 25 gms/ml)
		Detection of Shigella	IS 5887 (Part 7): 1999	Qualitative (Present/Absent/ 25 gms/ml)
	Detection of Vibrio cholerae	IS 5887(Part 5): 1976 / ISO 21872 (Part 1): 2007 E	Qualitative (Present/Absent/ 25 gms/ml)	

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	Beverages Alcoholic/ Non Alcoholic	Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1):2007 E	Qualitative (Present/Absent/ 25 gms/ml)
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	≥10 cfu/gm, ≥1 cfu/ml
			ISO 21528 (Part 1): 2004	≥ 0.3 MPN /gm/ml
				Qualitative (Present/Absent/ 25 gms/ml)
		Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	≥100 cfu/gm ≥10 cfu/ml
		Enumeration of Bacillus cereus	IS 5887 (Part 6): 2012	≥100 cfu/gm, ≥10 cfu/ml
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	Qualitative (Present/Absent/ 25 gms/ml)
4.	Tea	Total Plate Count	IS 5402: 2012	≥10 cfu/ gm, ≥1 cfu/ml
			ISO 4833-1: 2013	≥10 cfu/ gm, ≥1 cfu/ml
			BAM 2001 Chapter 3	≥10 cfu/ gm, ≥1 cfu/ml
		Yeast & Mould Count	IS 5403: 1999	≥10 cfu/ gm, ≥1 cfu/ml
			BAM 2001 Chapter 18	≥10 cfu/ gm, ≥1 cfu/ml

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	Tea	Coliform Count	IS 5401 (Part 1): 2002	≥10 cfu/ gm, ≥1 cfu/ml
			BAM 2013 Chapter 4	≥ 3 MPN/gm/ml
			ISO 4832: 2006	≥10 cfu/ gm, ≥1 cfu/ml
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	≥100 cfu/gm, ≥10 cfu/ml
			BAM 2013 Chapter 4	≥ 3 MPN /gm/ml
		Detection of Escherichia coli	IS: 5887 (Part I) : 1976	Qualitative (Present/Absent/ 25 gms/ml)
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888 (Part 1): 1999	≥100 cfu/gm, ≥10 cfu/ml
			Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976
		Detection of Salmonella	IS 5887(Part 3): 1999 ISO 6579: 2002	Qualitative (Present/Absent/ 25 gms/ml)
			BAM 2014 Chapter 5	Qualitative (Present/Absent/ 25 gms/ml)
	Detection of Shigella	IS 5887(Part 7): 1999	Qualitative (Present/Absent/ 25 gms/ml)	

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	Tea	Detection of Vibrio cholerae	IS 5887 (Part 5): 1976 / ISO 21872 (Part 1): 2007 E	Qualitative (Present/Absent/ 25 gms/ml)
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualitative (Present/Absent/ 25 gms/ml)
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004 ISO 21528 (Part 1): 2004	≥10 cfu/gm, ≥1cfu/ml ≥ 0.3 MPN /gm/ml
		Enumeration of Faecal Streptococci	IS 5887(Part 2): 1976	≥100 cfu/gm ≥10 cfu/ml
		Enumeration of Bacillus cereus	IS 5887(Part 6): 2012	≥100 cfu/gm, ≥10 cfu/ml
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	Qualitative (Present/Absent/ 25 gms/ml)
5.	Coffee and Cocoa Products	Total Plate Count	IS 5402: 2012 ISO 4833-1: 2013 BAM 2001 Chapter 3	≥10 cfu/ gm, ≥1 cfu/ml ≥10 cfu/ gm, ≥1 cfu/ml ≥10 cfu/ gm, ≥1 cfu/ml

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	Coffee and Cocoa Products	Yeast & Mould Count	IS 5403: 1999	≥10 cfu/ gm, ≥1 cfu/ml
			BAM 2001 Chapter 18	≥10 cfu/ gm, ≥1 cfu/ml
		Coliform Count	IS 5401 (Part 1): 2002	≥10 cfu/ gm, ≥1 cfu/ml
			BAM - 2013 Chapter 4	≥ 3 MPN/gm/ml
			ISO 4832: 2006	≥10 cfu/ gm, ≥1 cfu/ml
		Enumeration of Escherichia coli	IS 5887 (Part I): 1976	≥100 cfu/gm, ≥10 cfu/ml.
			BAM 2013 Chapter 4	≥ 3 MPN /gm/ml
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualitative (Present/Absent/ 25 gms/ml)
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888(Part 1): 1999	≥100 cfu/gm, ≥10 cfu/ml
			Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976
	Detection of Salmonella	IS 5887 (Part 3): 1999/ ISO 6579: 2002	Qualitative (Present/Absent/ 25 gms/ml)	
		BAM 2014 Chapter 5	Qualitative (Present/Absent/ 25 gms/ml)	

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	Coffee and Cocoa Products	Detection of Shigella	IS 5887 (Part 7): 1999	Qualitative (Present/Absent/ 25 gms/ml)
		Detection of Vibrio cholerae	IS 5887 (Part 5): 1976 ISO 21872 (Part 1): 2007 E	Qualitative (Present/Absent/ 25 gms/ml)
		Detection of Vibrio parahaemolyticus	IS 5887(Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualitative (Present/Absent/ 25 gms/ml)
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	≥10 cfu/gm, ≥1cfu/ml
			ISO 21528 (Part 1): 2004	≥ 0.3 MPN/gm/ml
		Enumeration of Faecal Streptococci	IS 5887(Part 2): 1976	Qualitative (Present/Absent/ 25 gms/ml) ≥100 cfu/gm ≥10 cfu/ml
		Enumeration of Bacillus cereus	IS 5887(Part 6): 2012	≥100 cfu/gm, ≥10 cfu/ml
	Detection of Listeria spp.	AOAC 18 th Edition 995.22	Present/Absent/25 gms/ml	
6.	Fruit and Fruit Products	Total Plate Count	IS 5402: 2012	≥10 cfu/gm, ≥1 cfu/ml
			ISO 4833-1: 2013	≥10 cfu/ gms, ≥1 cfu/ml
			BAM 2001 Chapter 3	≥10 cfu/gm, ≥1 cfu/ml

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	Fruit and Fruit Products	Yeast & Mould Count	IS 5403:1999	≥10 cfu/gm, ≥1 cfu/ml
			BAM 2001 Chapter 18	≥10 cfu/gm, ≥1 cfu/ml
		Coliform Count	IS 5401: 2002	≥10 cfu/gm, ≥1 cfu/ml
			BAM 2013 Chapter 4	≥ 3 MPN /gm/ml
			ISO 4832: 2006	≥10 cfu/gm ≥1 cfu/ml
			IS 5887 (Part 1): 1976	≥100 cfu/gm, ≥10 cfu/ml
		Enumeration of Escherichia coli	BAM 2013 Chapter 4	≥ 3 MPN/gm/ml
			Detection of Escherichia coli	IS 5887 (Part 1): 1976
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888(Part 1): 1999	≥100cfu/gm, ≥10cfu/ml
			Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976
	Flat Sour Organisms	IFU 1996 Method No 6	≥10 cfu/gm ≥1 cfu/ml	
	Bacillus cereus	IS 5887 (Part 6): 2012	≥100 cfu/gm, ≥10 cfu/ml	

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	Fruit and Fruit Products	Detection of Shigella spp.	IS 5887 (Part 7): 1999	Qualitative (Present/Absent/ 25 gms/ml)
		Detection of Salmonella spp.	IS 5887 (Part 3): 1999	Qualitative (Present/Absent/ 25 gms/ml)
			BAM 2014 Chapter 5	Qualitative (Present/Absent/ 25 gms/ml)
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	Qualitative (Present/Absent/ 25 gms/ml)
		Incubation at 37 °C for 10 days and at 55°C for 7 days	In house Method: TUV/04/SOP/025 Issue No. 01 Issue Date : 10/04/2015	pH change
		Heat Resistant Molds spore	IFU 1996 Method No 4	Qualitative (Present/Absent/ 50 gms.)
		Detection Of Lactic Acid bacteria	IFU 1996 Method No 5	≥10 cfu/gm. ≥1 cfu/ml
		Thermoturic Aciduric spore forming Bacteria-Spores Count	IFU 1996 Method No 6	≥10 cfu/gm. ≥1 cfu/ml
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004 ISO 21528 (Part 1): 2004	≥ 10 cfu/gm. ≥ 1cfu/ml ≥ 0.3MPN /gm/ml Qualitative (Present/ Absent per 25 gms/ml)

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	Fruit and Fruit Products	Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	≥100 cfu/gm, ≥10 cfu/ml
		Detection of Vibrio cholerae	IS 5887 (Part 5): 1976 ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 / ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/ml)
7.	Vegetable and Vegetable Products	Total Plate Count	IS 5402: 2012	≥10 cfu/gm, ≥1 cfu/ml
			ISO 4833-1: 2013	≥10 cfu/ gms, ≥1 cfu/ml
			BAM 2001 Chapter 3	≥10 cfu/gm, ≥1 cfu/ml
		Yeast & Mould Count	IS 5403: 1999	≥10 cfu/gm, ≥1 cfu/ml
			BAM 2001 Chapter 18	≥10 cfu/gm, ≥1 cfu/ml
		Coliform Count	IS 5401: 2002	≥10 cfu/gm, ≥1 cfu/ml
			BAM 2013 Chapter 4	≥ 3 MPN /gm/ml
		ISO 4832: 2006	≥10 cfu/gm ≥1 cfu/ml	

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	Vegetable and Vegetable Products	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	≥100 cfu/gm, ≥10 cfu/ml
			BAM 2013 Chapter 4	≥ 3 MPN/gm/ml
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualitative (Present/ Absent per 25 gms/ml)
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888 (Part 1): 1999	≥100cfu/gm, ≥10cfu/ml
		Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualitative (Present/ Absent per 25 gms/ml)
		Bacillus cereus	IS 5887 (Part 6): 2012	≥100 cfu/gm, ≥10 cfu/ml
		Detection of Shigella spp	IS 5887 (Part 7): 1999	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Salmonella spp	IS 5887 (Part 3): 1999	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	Qualitative (Present/ Absent per 25 gms/ml)

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	Vegetable and Vegetable Products	Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	≥ 10 cfu/gm. ≥ 1cfu/ml
			ISO 21528 (Part 1): 2004	≥ 0.3MPN /gm/ml Qualitative (Present/ Absent per 25 gm/ml)
		Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	≥100 cfu/gm, ≥10 cfu/ml
		Detection of Vibrio cholerae	IS 5887 (Part 5): 1976 ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gm/ml)
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 / ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/ml)
8.	Processed Food	Total Plate Count	IS 5402: 2012	≥10 cfu/gm, ≥1 cfu/ml
			ISO 4833-1: 2013	≥10 cfu/ gms, ≥1 cfu/ml
			BAM 2001 Chapter 3	≥10 cfu/gm, ≥1 cfu/ml
		Yeast & Mould Count	IS 5403: 1999	≥10 cfu/gm, ≥1 cfu/ml
			BAM 2001 Chapter 18	≥10 cfu/gm, ≥1 cfu/ml

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	Processed Food	Coliform Count	IS 5401: 2002	≥10 cfu/gm, ≥1 cfu/ml
			BAM 2013 Chapter 4	≥ 3 MPN /gm/ml
			ISO 4832: 2006	≥10 cfu/gm ≥1 cfu/ml
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	≥100 cfu/gm, ≥10 cfu/ml
			BAM 2013 Chapter 4	≥ 3 MPN/gm/ml
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualitative (Present/ Absent per 25 gms/ml)
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888 (Part 1):1999	≥100cfu/gm, ≥10cfu/ml
			Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976
		Bacillus cereus	IS 5887(Part 6): 2012	≥100 cfu/gm, ≥10 cfu/ml
		Detection of Shigella spp.	IS 5887 (Part 7): 1999	Qualitative (Present/ Absent per 25 gms/ml)
	Detection of Salmonella spp.	IS 5887 (Part 3): 1999	Qualitative (Present/ Absent per 25 gms/ml)	
		BAM 2014 Chapter 5	Qualitative (Present/ Absent per 25 gms/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
	Processed Food	Detection of Listeria spp.	AOAC (18 th Edition) 995.22	Qualitative (Present/ Absent per 25 gms/ml)
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	≥ 10 cfu/gm. ≥ 1cfu/ml
			ISO 21528 (Part 1): 2004	≥ 0.3MPN /gm/ml
		Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	≥100 cfu/gm, ≥10 cfu/ml
			Detection of Vibrio cholerae	IS 5887 (Part 5): 1976 ISO 21872 (Part 1): 2007 E
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 / ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/ml)
9.	Milk and Dairy Products	Total Plate Count	IS 5402: 2012	≥10 cfu/gm, ≥1 cfu/ml
			ISO 4833-1: 2013	≥10 cfu/ gms, ≥1 cfu/ml
			BAM 2001 Chapter 3	≥10 cfu/gm, ≥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
	Milk and Dairy Products	Yeast & Mould Count	IS 5403: 1999	≥10 cfu/gm, ≥1 cfu/ml
			BAM 2001 Chapter 18	≥10 cfu/gm, ≥1 cfu/ml
		Coliform Count	IS 5401: 2002	≥10 cfu/gm, ≥1 cfu/ml
			BAM 2013 Chapter 4	≥ 3 MPN /gm/ml
			ISO 4832: 2006	≥10 cfu/gm ≥1 cfu/ml
			IS 5887 (Part 1): 1976	≥100 cfu/gm, ≥10 cfu/ml
		Enumeration of Escherichia coli		≥10cfu/gm
			BAM 2013 Chapter 4	≥ 3 MPN/gm/ml
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualitative (Present/ Absent per 25 gms/ml)
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888(Part 1): 1999	≥100cfu/gm, ≥10cfu/ml
			≥10cfu/gm	
	Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualitative (Present/ Absent per 25 gms/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
	Milk and Dairy Products	Bacillus cereus	IS 5887(Part 6): 2012	≥100 cfu/gm, ≥10 cfu/ml
		Detection of Shigella spp.	IS 5887 (Part 7): 1999	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Salmonella spp.	IS 5887 (Part 3): 1999	Qualitative (Present/ Absent per 25 gms/ml)
			BAM 2014 Chapter 5	Qualitative (Present/ Absent per 25 gms)
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	Qualitative (Present/ Absent per 25 gms/ml)
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	≥ 10 cfu/gm. ≥ 1cfu/ml
			ISO 21528 (Part 1): 2004	≥ 0.3MPN /gm/ml Qualitative (Present/ Absent per 25 gms/ml)
		Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	≥100 cfu/gm, ≥10 cfu/ml
	Detection of Vibrio cholerae	IS 5887 (Part 5): 1976 ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/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
	Milk and Dairy Products	Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 / ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/ml)
10.	Ready to Cook Ready to Eat	Total Plate Count	IS 5402: 2012 ISO 4833-1: 2013 BAM 2001 Chapter 3	≥ 10 cfu/gm, ≥ 1 cfu/ml ≥ 10 cfu/ gms, ≥ 1 cfu/ml ≥ 10 cfu/gm, ≥ 1 cfu/ml
		Yeast & Mould Count	IS 5403: 1999 BAM 2001 Chapter 18	≥ 10 cfu/gm, ≥ 1 cfu/ml ≥ 10 cfu/gm, ≥ 1 cfu/ml
		Coliform Count	IS 5401: 2002 BAM 2013 Chapter 4 ISO 4832: 2006	≥ 10 cfu/gm, ≥ 1 cfu/ml ≥ 3 MPN /gm/ml ≥ 10 cfu/gm ≥ 1 cfu/ml
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976 BAM 2013 Chapter 4	≥ 100 cfu/gm, ≥ 10 cfu/ml ≥ 3 MPN/gm/ml
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualitative (Present/ Absent per 25 gms/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
	Ready to Cook Ready to Eat	Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888(Part 1): 1999	≥100cfu/gm, ≥10cfu/ml
		Detection of Staphylococcus aureus	IS 5887 (Part 2) : 1976	Qualitative (Present/ Absent per 25 gms/ml)
		Bacillus cereus	IS 5887(Part 6): 2012	≥100 cfu/gm, ≥10 cfu/ml
		Detection of Shigella spp.	IS 5887 (Part 7): 1999	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Salmonella spp.	IS 5887 (Part 3): 1999	Qualitative (Present/ Absent per 25 gms)
			BAM 2014 Chapter 5	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	Qualitative (Present/ Absent per 25 gms/ml)
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	≥ 10 cfu/gm. ≥ 1cfu/ml
			ISO 21528 (Part 1): 2004	≥ 0.3MPN /gm/ml
				Qualitative (Present/ Absent per 25 gms/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
	Ready to Cook Ready to Eat	Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	≥100 cfu/gm, ≥10 cfu/ml
		Detection of Vibrio cholerae	IS 5887 (Part 5): 1976 ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 / ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/ml)
11.	Spices and Condiments	Total Plate Count	IS 5402: 2012	≥10 cfu/gm, ≥1 cfu/ml
			ISO 4833-1: 2013	≥10 cfu/ gms, ≥1 cfu/ml
			BAM 2001 Chapter 3	≥10 cfu/gm, ≥1 cfu/ml
		Yeast & Mould Count	IS 5403: 1999	≥10 cfu/gm, ≥1 cfu/ml
			BAM 2001 Chapter 18	≥10 cfu/gm, ≥1 cfu/ml
		Coliform Count	IS 5401: 2002	≥10 cfu/gm, ≥1 cfu/ml
			BAM 2013 Chapter 4	≥ 3 MPN /gm/ml
		ISO 4832: 2006	≥10 cfu/gm ≥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
	Spices and Condiments	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	≥100 cfu/gm, ≥10 cfu/ml
			BAM 2013 Chapter 4	≥ 3 MPN/gm/ml
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualitative (Present/ Absent per 25 gms)
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888(Part 1): 1999	≥100cfu/gm, ≥10cfu/ml
		Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualitative (Present/ Absent per 25 gms/ml)
		Bacillus Cereus	IS 5887(Part 6): 2012	≥100 cfu/gm, ≥10 cfu/ml
		Detection of Shigella spp.	IS 5887 (Part 7): 1999	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Salmonella spp.	IS 5887 (Part 3): 1999	Qualitative (Present/ Absent per 25 gms)
			BAM 2014 Chapter 5	Qualitative (Present/ Absent per 25 gms/ml)
	Detection of Listeria spp.		AOAC (18 th Edition) 995.22	Qualitative (Present/ Absent per 25 gms/ml)

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	Spices and Condiments	Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	≥ 10 cfu/gm. ≥ 1cfu/ml
			ISO 21528 (Part 1): 2004	≥ 0.3MPN /gm/ml Qualitative (Present/ Absent per 25 gms/ml)
		Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	≥100 cfu/gm, ≥10 cfu/ml
		Detection of Vibrio cholerae	IS 5887 (Part 5): 1976 ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 / ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/ml)
12.	Egg and Egg Products	Total Plate Count	IS 5402: 2012	≥10 cfu/gm. ≥1 cfu/ml
			ISO 4833-1: 2013	≥10 cfu/ gm, ≥1 cfu/ml
			BAM 2001 Chapter 3	≥10 cfu/gm. ≥1 cfu/ml
		Yeast & Mould Count	BAM 2001 Chapter 18	≥10 cfu/gm. ≥1 cfu/ml
			IS 5403: 1999	≥10 cfu/gm. ≥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
	Egg and Egg Products	Coliform Count	IS 5401 (Part 1): 2002	≥10cfu/g m ≥1 cfu/ml
			ISO 4832: 2006	≥10 cfu/g m ≥1 cfu/ml
			BAM 2013 Chapter 4	≥ 3MPN /gm/ml
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	≥100 cfu/gm ≥1 cfu/ml
			BAM 2013 Chapter 4	≥ 3 MPN/gm/ml
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualitative (Present/ Absent per 25 gms)
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888 (Part 1): 1999	≥100cfu/gm ≥1 cfu/ml
			Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976
		Detection of Shigella spp.	IS 5887 (Part 7): 1999	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Salmonella spp.	IS 5887 (Part 3): 1999	Qualitative (Present/ Absent per 25 gms/ml)
	BAM 2014 Chapter 5		Qualitative (Present/ Absent per 25 gms/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
	Egg and Egg Products	Detection of Vibrio cholerae	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Listeria Spp.	AOAC (18 th Edition) 995.22	Qualitative (Present/ Absent per 25 gms)
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	≥ 10 cfu/gm, ≥ 1cfu/ml
			ISO 21528 (Part 1): 2004	≥ 0.3 MPN/gm/ml Qualitative (Present/ Absent per 25 gms/ml)
	Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	≥100 cfu/gm. ≥ 10 cfu/ml	
13.	Poultry and Poultry Products	Total Plate Count	IS 5402: 2012	≥10 cfu/gm. ≥1 cfu/ml
			ISO 4833-1: 2013	≥10 cfu/ gm, ≥1 cfu/ml
			BAM 2001 Chapter 3	≥10 cfu/gm. ≥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
	Poultry and Poultry Products	Yeast & Mould Count	BAM 2001 Chapter 18	≥10 cfu/gm. ≥1 cfu/ml
			IS 5403: 1999	≥10 cfu/gm. ≥1 cfu/ml
		Coliform Count	IS 5401 (Part1): 2002	≥10cfu/g m ≥1 cfu/ml
			ISO 4832: 2006	≥10 cfu/g m ≥1 cfu/ml
			BAM 2013 Chapter 4	≥ 3MPN /gm/ml
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	≥100 cfu/gm ≥1 cfu/ml
			BAM 2013 Chapter 4	≥ 3 MPN/gm/ml
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualitative (Present/ Absent per 25 gms)
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888(Part 1): 1999	≥100cfu/gm ≥1 cfu/ml
		Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualitative (Present/ Absent per 25 gms/ml)
	Detection of Shigella spp.	IS 5887 (Part 7): 1999	Qualitative (Present/ Absent per 25 gms/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 and Poultry Products	Detection of Salmonella spp	IS 5887 (Part 3): 1999	Qualitative (Present/ Absent per 25 gms/ml)
			BAM 2014 Chapter 5	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Vibrio cholerae	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	Qualitative (Present/ Absent per 25 gms)
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	≥ 10 cfu/gm, ≥ 1cfu/ml
			ISO 21528 (Part 1): 2004	≥ 0.3 MPN/gm/ml Qualitative (Present/ Absent per 25 gms/ml)
	Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	≥100 cfu/gm. ≥ 10 cfu/ml	

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14.	Meat and Meat Products	Total Plate Count	IS 5402: 2012	≥10 cfu/gm. ≥1 cfu/ml
			ISO 4833-1: 2013	≥10 cfu/ gm, ≥1 cfu/ml
			BAM 2001 Chapter 3	≥10 cfu/gm. ≥1 cfu/ml
		Yeast & Mould Count	BAM 2001 Chapter 18	≥10 cfu/gm. ≥1 cfu/ml
			IS 5403: 1999	≥10 cfu/gm. ≥1 cfu/ml
		Coliform Count	IS 5401 (Part 1): 2002	≥10cfu/g m ≥1 cfu/ml
			ISO 4832: 2006	≥10 cfu/g m ≥1 cfu/ml
			BAM 2013 Chapter 4	≥ 3MPN /gm/ml
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	≥100 cfu/gm ≥1 cfu/ml
			BAM 2013 Chapter 4	≥ 3 MPN/gm/ml
Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualitative (Present/ Absent per 25 gms)		
Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888(Part 1): 1999	≥100cfu/gm ≥1 cfu/ml		

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	Meat and Meat Products	Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Shigella spp	IS 5887 (Part 7): 1999	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Salmonella spp.	IS 5887 (Part 3): 1999	Qualitative (Present/ Absent per 25 gms/ml)
			BAM 2014 Chapter 5	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Vibrio cholerae	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	Qualitative (Present/ Absent per 25 gms)
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004 ISO 21528 (Part 1): 2004	≥ 10 cfu/gm, ≥ 1 cfu/ml ≥ 0.3 MPN/gm/ml Qualitative (Present/ Absent per 25 gms/ml)

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	Meat and Meat Products	Enumeration of Faecal Streptococci	IS 5887(Part 2): 1976	≥100 cfu/gm. ≥ 10 cfu/ml
15.	Sugar and Sugar Products	Total Plate Count	IS 5402: 2012	≥10 cfu/gm. ≥1 cfu/ml
			ISO 4833-1: 2013	≥10 cfu/ gm, ≥1 cfu/ml
			BAM 2001 Chapter 3	≥10 cfu/ gm, ≥1 cfu/ml
		Yeast & Mould Count	BAM 2001 Chapter 18	≥10 cfu/gm. ≥1 cfu/ml
			IS 5403: 1999	≥10 cfu/gm. ≥1 cfu/ml
		Coliform Count	IS 5401 (Part 1): 2002	≥10 cfu/gm. ≥1 cfu/ml
			BAM 2013 Chapter 4	≥ 3 MPN/gm/ml
			ISO 4832: 2006	≥10 cfu/gm. ≥1 cfu/ml.
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	≥100 cfu/gm. ≥1 cfu/ml.
			BAM 2013 Chapter 4	≥ 3 MPN /gm/ml.
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualitative (Present/ Absent per 25 gms/ml)

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	Sugar and Sugar Products	Detection of Salmonella spp	BAM 2014 Chapter 5	Qualitative (Present/ Absent per 25 gms/ml)
			IS 5887 (Part 3): 1999	Qualitative (Present/ Absent per 25 gms/ml)
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888 (Part 1): 1999	≥ 100 cfu/gm, ≥ 10 cfu/ml
		Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualitative (Present/ Absent per 25 gms/ml)
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	≥ 10 cfu/gm, ≥ 1 cfu/ml
			ISO 21528 (Part 1): 2004	≥ 0.3 MPN /gm/ml
		Enumeration of Faecal Streptococci	IS 5887(Part 2):1976	≥ 100 cfu/gm. ≥ 10 cfu/ml
		Detection of Vibrio cholerae	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/ml)
	Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualitative (Present/ Absent per 25 gms/ml)	

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	Sugar and Sugar Products	Enumeration of Bacillus cereus	IS 5887 (Part 5): 2012	≥100 cfu/gm, ≥1 cfu/ml
16.	Bakery & Confectionaries Cakes Chocolates	Total Plate Count	IS 5402: 2012	≥10 cfu/gm, ≥1 cfu/ml.
			BAM 2001 Chapter 3	≥10 cfu/gm, ≥1 cfu/ml.
			ISO 4833-1: 2013	≥10 cfu/ gm, ≥1 cfu/ml.
		Yeast & Mould Count	BAM 2001 Chapter 18	≥10 cfu/gm ≥1 cfu/ml
			IS 5403: 1999	≥10 cfu/gm ≥1 cfu/ml.
		Coliform Count	IS 5401(Part 1): 2002	≥10cfu/gm, ≥1 cfu/ml.
			ISO 4832: 2006	≥10 cfu/gm. ≥1 cfu/ml.
			BAM 2013 Chapter 4	≥ 3 MPN /gm/ml
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	≥100 cfu/gm. ≥10 cfu/ml
			BAM 2013 Chapter 4	≥ 3 MPN /gm/ml.
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualitative (Present/ Absent per 25 gms/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 & Confectionaries Cakes Chocolates	Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888(Part 1): 1999	≥100 cfu/gm, ≥10 cfu/ml/gm
		Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualitative (Present/ Absent per 25 gms/ml)
		Detection of Salmonella	BAM 2014 Chapter 5	Qualitative (Present/Absent/ 25 gms/ml /250gms/ml / 375 gms/ml)
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (2) : 2004	≥ 10 cfu/gm, ≥ 1cfu/ml
			ISO 21528 (1) :2004	≥ 0.3 MPN/gm/ml
		Enumeration of Faecal Streptococci	IS 5887(Part-2):1976	≥ 100 cfu/gm ≥ 10 cfu/ml
		Detection of Listeria spp	AOAC 18 th Edition 995.22	Qualitative (Present/ Absent per 25 gms/ml)
	Enumeration of Bacillus cereus	IS 5887(Part-6): 2012	≥ 100 cfu/gm, ≥ 10 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
II.	WATER			
1.	Drinking Water, Packaged Natural, Mineral Water, Domestic Water, Irrigation Water, Packaged Drinking Water, Distilled Water & Water for Processed Food Industry	Detection of Escherichia coli	IS 5887 (Part 1): 1976 / IS 15185: 2002	Qualitative (Present/Absent per 250 ml)
			IS 1622: 1981	2 MPN to 1600 MPN per 100 ml
		Enumeration of Coliforms	IS 5401 (Part 1): 2002 / IS 15185: 2002/	Qualitative (Present/Absent per 250 ml)
			IS 1622: 1981	2 MPN to 1600 MPN per 100 ml
		Feacal Streptococci	IS 5887 (Part 2): 1976	Qualitative (Present/Absent per 250 ml)
		Staphylococcus aureus	IS 5887 (Part 2):1976	Qualitative (Present/Absent per 250 ml)
		Sulphite reducing anaerobes	IS 13428: 2005 Annexure C	Qualitative (Present/Absent per 50 ml)
		Pseudomonas aeruginosa	IS 13428: 2005 Annexure D	Qualitative (Present/Absent per 250 ml)
	Aerobic microbial Count	IS 5402: 2012	≥ 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
	Drinking Water, Packaged Natural, Mineral Water, Domestic Water, Irrigation Water, Packaged Drinking Water, Distilled Water & Water for Processed Food Industry	Yeast and mould Count	IS 5403: 1999	Qualitative (Present/Absent per 250 ml)
		Detection of Salmonella spp.	IS 15187: 2002 / IS 5887 (Part 3): 1999	Qualitative (Present/Absent per 250 ml)
		Detection of Shigella	IS 5887 (Part 7): 1999	Qualitative (Present/Absent per 250 ml)
		Vibrio cholerae	IS 5887 (Part 5): 1976	Qualitative (Present/Absent per 250 ml)
		Vibrio parahaemolyticus	IS 5887 (Part 5): 1976	Qualitative (Present/Absent per 250 ml)
		Proteolytic organisms	IS 4251: 1967 (RA 2009)	≥1 cfu/ml
		Lipolytic organisms	IS 4251: 1967 (RA 2009)	≥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
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III. DRUGS AND PHARMACEUTICALS

1. Herbal Drugs

Microbial Limit Test

Total Aerobic Viable Count

IP 2014
USP 37 NF 32

≥ 10 cfu/gm
 ≥ 1 cfu/ml

Detection of Bile Tolerant gram negative bacteria

Qualitative
(Present/Absent/gm or ml)

Detection of Escherichia coli

Qualitative
(Present/Absent/gm or ml/10gm)

Detection of Salmonella spp.

Qualitative
(Present/Absent/gm or ml/10gm)

Detection of Pseudomonas aeruginosa

Qualitative
(Present/Absent/gm or ml)

Detection of Staphylococcus aureus

Qualitative
(Present/Absent/gm or ml)

Detection of Candida albicans

Qualitative
(Present/Absent/gm or 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
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IV. ENVIRONMENT & POLLUTION

1.	Swabs	Bacterial Count	Compendium of Methods for Microbiological Examination of Foods – IS 5402: 20012 ISO 4833-1: 2013 APHA (4 th Edition): 2001 Chapter 3 Clause 3.81 & 3.82 BAM 2001 Chapter 3	≥10 cfu /area covered in sq. cm, ≥ 100 cfu/area covered in sq. cm
		Yeast & Mould Count	Compendium of Methods for Microbiological Examination of Foods – IS 5403: 1999 APHA (4 th Edition): 2001 Chapter 3 Clause 3.81 & 3.82 BAM 2001 Chapter 18	≥10 cfu/area covered in sq. cm, ≥ 100cfu/ area covered in sq. cm
		Coliform Count	Compendium of Methods for Microbiological Examination of Foods – IS 5401: 2002 APHA (4 th Edition): 2001 Chapter 3 Clause 3.81 & 3.82	≥10 cfu/area covered in sq. cm, ≥ 100 cfu/ area covered in sq. cm

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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
	Swabs	E.coli Count	Compendium of Methods for Microbiological Examination of Foods – IS 5887 (Part 1): 1976 APHA (4 th Edition): 2001 Chapter 3 Clause 3.81 & 3.82)	≥10 cfu/area covered in sq. cm, ≥ 100 cfu/ area covered in sq. cm

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