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I.	FOOD AND AGRIC	CULTURAL PRODUCTS			
1.	Animal Feed & Feed Stuffs	Total Plate Count	IS 5402: 2012		cfu/ gm, cfu/ml
			ISO 4833-1: 2013		cfu/ gm, cfu/ml
	Co		BAM 2001 Chapter 3		cfu/ gm, cfu/ml
		Coliforms	IS 5401(Part 1): 2002		cfu/ gm, cfu/ml
			BAM 2013 Chapter 4	≥3]	MPN /gm/ml
			ISO 4832: 2006		cfu/ gm, cfu/ml
		Yeasts & Moulds	IS 5403: 1999		cfu/ gm, cfu/ml
			BAM 2001 Chapter 18		cfu/ gm, cfu/ml
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	(Pre	litative esent/Absent/ 25 s/ml)
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976		0cfu/gm, cfu/ml
			BAM 2013 Chapter 4	≥3]	MPN/gm

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	Animal Feed & Feed Stuffs	Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualit (Prese gms/n	ent/Absent/ 25			
		Enumeration of Staphylococcus aureus	IS 5887(Part 2): 1976 ISO 6888 (Part 1): 1999		efu/gm, efu/ml			
			BAM 2014 Chapter 5	Qualit (Prese gms/n	ent/Absent/ 25			
		Detection of Shigella	IS 5887 (Part 7): 1999	Qualit (Prese gms/n	ent/Absent/ 25			
		Enumeration of Bacillus cereus	IS 5887 (Part 6): 2012	≥100 ≥10 c	cfu/gm, fu/ml			
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	$\geq 10 \text{ c}$ $\geq 1 \text{ cfr}$				
			ISO 21528 (Part 1): 2004	≥0.3 №	MPN/gm/ml			
				Qualit (Prese gms/n	ent/Absent/ 25			
		Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	≥100 ≥10 c	cfu/gm, fu/ml			
		Detection of Vibrio cholera	IS 5887 (Part 5): 1976 ISO 21872 (Part 1): 2007 E	Qualit (Prese gms/n	ent/Absent/ 25			

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	Animal Feed & Feed Stuffs	Detection of Vibrio Parahaemolyticus	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	(Pre	litative sent/Absent/ 25 /ml)
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	(Pre	litative sent/Absent/ 25 /ml)
2.	Essential Nutrients Including	Total Plate Count	IS 5402: 2012		cfu/ gm, fu/ml
	Vitamins		ISO 4833-1: 2013		cfu/ gm, fu/ml
			BAM 2001 Chapter 3		cfu/ gm, fu/ml
		Coliforms	IS 5401 (Part 1): 2002		cfu/ gm, fu/ml
			BAM 2013 ≥ 3 M Chapter 4		MPN /gm/ml
			ISO 4832: 2006		cfu/ gm, fu/ml
		Yeasts & Moulds	IS 5403: 1999		cfu/ gm, fu/ml
			BAM 2001 Chapter 18		cfu/ gm, fu/ml
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	(Pre	litative sent/Absent/ 25 gms/ml)

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specificatio against which tests are performed		e of Testing / s of Detection		
	Essential Nutrients Including	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	≥100c cfu/ml	fu/gm, ≥10		
	Vitamins		BAM 2013 Chapter 4	≥3 MI	PN/gm		
		Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualit (Prese gms/n	nt/Absent/ 25		
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888 (Part 1): 1999	≥100c cfu/ml	fu/gm, ≥ 10		
		Detection of Salmonella	ISO 6579: 2002	Qualit (Prese gms/n	nt/Absent/ 25		
			BAM 2014 Chapter 5	Qualit (Prese gms/n	nt/Absent/ 25		
		Detection of Shigella	IS 5887 (Part 7): 1999	Qualit	ative nt/Absent/ 25		
		Enumeration of Bacillus cereus	IS 5887(Part 6): 2012	$\geq 100 \text{ or}$ $\geq 10 \text{ cm}$	cfu/gm, u/ml		
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$			
			ISO 21528 (Part 1): 2004	≥0.3 N	/IPN/gm/ml		
				Qualit (Prese gms/n	nt/Absent/ 25		

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specificatio against which tests are performed		e of Testing / s of Detection		
	Essential Nutrients Including	Enumeration of Faecal Streptococci	IS 5887(Part 2): 1976	$\geq 100 \text{ cm}$ $\geq 10 \text{ cm}$	cfu/gm, u/ml		
	Vitamins	Detection of Vibrio cholerae	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualit (Prese gms/m	nt/Absent/ 25		
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 / ISO 21872 (Part 1): 2007 E	Qualit (Prese gms/m	nt/Absent/ 25		
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	Qualit (Prese gms/m	nt/Absent/ 25		
3.	Beverages Alcoholic/	Total Plate Count	IS 5402: 2012	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}$			
	Non Alcoholic		ISO 4833-1: 2013	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}$			
			BAM 2001 Chapter 3	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$	-		
		Yeast & Mould Count	IS 5403: 1999	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$			
			BAM 2001 Chapter 18	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$			
		Coliform Count	IS 5401(Part 1): 2002	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}$			
			BAM 2013 Chapter 4	\geq 3 M	PN/gm/ml		
			ISO 4832: 2006	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$			

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed			of Testing / of Detection
	Beverages Alcoholic/	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	\geq 100 cfu/gm, \geq 10 cfu/ml.		
	Non Alcoholic		BAM 2013 Chapter 4	2	$\geq 3 \text{ MP}$	N /gm/ml
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	(Qualitat (Present gms/ml)	/Absent/ 25
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888 (Part 1): 1999		≥100 cf ≥10 cfu	
		Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	(Qualitat (Present gms/ml)	/Absent/ 25
		Detection of Salmonella	IS 5887 (Part 3): 1999 ISO 6579: 2002	(Qualitat (Present gms/ml)	/Absent/ 25
			BAM 2014 Chapter 5	(Qualitat (Present gms/ml)	/Absent/ 25
		Detection of Shigella	IS 5887 (Part 7): 1999	(Qualitat (Present gms/ml)	/Absent/ 25
		Detection of Vibrio cholerae	IS 5887(Part 5): 1976 / ISO 21872 (Part 1): 2007 E	(Qualitat (Present gms/ml)	/Absent/ 25

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specificatio against which tests are performed		e of Testing / s of Detection
	Beverages Alcoholic/ Non Alcoholic	Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1):2007 E	Qualit (Prese gms/m	nt/Absent/ 25
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}/$	
			ISO 21528 (Part 1): 2004	\geq 0.3]	MPN /gm/ml
				Qualit (Prese gms/m	nt/Absent/ 25
		Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	$\geq 100 \text{ or}$ $\geq 10 \text{ cf}$	cfu/gm u/ml
		Enumeration of Bacillus cereus	IS 5887 (Part 6): 2012	$\geq 100 \text{ cm}$ $\geq 10 \text{ cm}$	cfu/gm, ìu/ml
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	Qualit (Prese gms/n	nt/Absent/ 25
4.	Tea	Total Plate Count	IS 5402: 2012	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}$	îu/ gm, /ml
			ISO 4833-1: 2013	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}$	℃/ gm, /ml
			BAM 2001 Chapter 3	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$	îu∕ gm, ∕ml
		Yeast & Mould Count	IS 5403: 1999	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}$	℃/ gm, /ml
			BAM 2001 Chapter 18	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}$	ìu/ gm, /ml

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Tea	Coliform Count	IS 5401 (Part 1): 2002	$\geq 10 \text{ c}$ $\geq 1 \text{ cf}$	cfu/ gm, ìu/ml			
		BAM 2013 Chapter 4	\geq 3 N	/IPN/gm/ml			
		ISO 4832: 2006	$\geq 10 \text{ cm}$ $\geq 1 \text{ cm}$	cfu/ gm, ìu/ml			
	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976		cfu/gm, cfu/ml			
		BAM 2013 Chapter 4	\geq 3 N	/IPN /gm/ml			
	Detection of Escherichia coli	IS: 5887 (Part I) : 1976	-	itative ent/Absent/ 25 ml)			
	Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888 (Part 1): 1999		cfu/gm, cfu/ml			
	Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976		itative ent/Absent/ 25 ml)			
	Detection of Salmonella	IS 5887(Part 3): 1999 ISO 6579: 2002		itative ent/Absent/ 25 ml)			
		BAM 2014 Chapter 5		itative ent/Absent/ 25 ml)			
	Detection of Shigella	IS 5887(Part 7): 1999		itative ent/Absent/ 25 ml)			

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specificatio against which tests are performed		e of Testing / s of Detection		
	Tea	Detection of Vibrio cholerae	IS 5887 (Part 5): 1976 / ISO 21872 (Part 1): 2007 E	Qualit (Prese gms/n	nt/Absent/ 25		
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualit (Prese gms/n	nt/Absent/ 25		
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$			
			ISO 21528 (Part 1): 2004	\geq 0.3]	MPN /gm/ml		
				Qualit (Prese gms/n	nt/Absent/ 25		
		Enumeration of Faecal Streptococci	IS 5887(Part 2): 1976	$\geq 100 \text{ cm}$ $\geq 10 \text{ cm}$			
		Enumeration of Bacillus cereus	IS 5887(Part 6): 2012	$\geq 100 \text{ cm}$ $\geq 10 \text{ cm}$	cfu/gm, ìu/ml		
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	-	nt/Absent/		
5.	Coffee and Cocoa Products	Total Plate Count	IS 5402: 2012	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}$			
			ISO 4833-1: 2013	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}$			
			BAM 2001 Chapter 3	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}$			

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Coffee and Cocoa Products	Yeast & Mould Count	IS 5403: 1999	$\geq 10 \text{ cm}$ $\geq 1 \text{ cft}$	fu/ gm, //ml			
		BAM 2001 Chapter 18	$\geq 10 \text{ cm}$ $\geq 1 \text{ cfr}$	îu/ gm, /ml			
	Coliform Count	IS 5401 (Part 1): 2002	$\geq 10 \text{ cm}$ $\geq 1 \text{ cfr}$	îu/ gm, /ml			
		BAM - 2013 Chapter 4	\geq 3 M	PN/gm/ml			
		ISO 4832: 2006	$\geq 10 \text{ cm}$ $\geq 1 \text{ cft}$	fu/ gm, /ml			
	Enumeration of Escherichia coli	IS 5887 (Part I): 1976	≥ 100 ≥ 10 cm	cfu/gm, fu/ml.			
		BAM 2013 Chapter 4	≥ 3 M	PN /gm/ml			
	Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualit (Prese gms/n	nt/Absent/ 25			
	Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888(Part 1): 1999	≥100 ≥10 ct	cfu/gm, îu/ml			
	Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualit (Prese gms/n	nt/Absent/ 25			
	Detection of Salmonella	IS 5887 (Part 3): 1999/ ISO 6579: 2002	Qualit (Prese gms/n	nt/Absent/ 25			
		BAM 2014 Chapter 5	Qualit (Prese gms/n	nt/Absent/ 25			

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	Coffee and Cocoa Products	Detection of Shigella	IS 5887 (Part 7): 1999	Qualit (Prese gms/n	ent/Absent/ 25	
		Detection of Vibrio cholerae	IS 5887 (Part 5): 1976 ISO 21872 (Part 1): 2007 E	Qualit (Prese gms/n	ent/Absent/ 25	
		Detection of Vibrio parahaemolyticus	IS 5887(Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualit (Prese gms/n	ent/Absent/ 25	
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	$\geq 10 \text{ cm}$ $\geq 1 \text{ cfu}$		
			ISO 21528 (Part 1): 2004	≥ 0.3	MPN/gm/ml	
				Qualit (Prese gms/n	ent/Absent/ 25	
		Enumeration of Faecal Streptococci	IS 5887(Part 2): 1976	≥ 100 ≥ 10 cm	cfu/gm fu/ml	
		Enumeration of Bacillus cereus	IS 5887(Part 6): 2012	≥ 100 ≥ 10 cm	cfu/gm, fu/ml	
		Detection of Listeria spp.	AOAC 18 th Edition 995.22	Preser gms/n	nt/Absent/25	
6.	Fruit and Fruit	Total Plate Count	IS 5402: 2012	≥10 ct	fu/gm,	
	Products		ISO 4833-1: 2013	≥ 1 cft ≥ 10 cft ≥ 1 cft	fu/ gms,	
			BAM 2001 Chapter 3	$\geq 10 \text{ cm}$ $\geq 1 \text{ cft}$		

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	Fruit and Fruit Products	Yeast & Mould Count	IS 5403:1999	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$	
			BAM 2001 Chapter 18	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$	
		Coliform Count	IS 5401: 2002	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$	
			BAM 2013 Chapter 4	\geq 3 MI	PN /gm/ml
			ISO 4832: 2006	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$	
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	≥100 c ≥10 cf	
			BAM 2013 Chapter 4	\geq 3 MI	PN/gm/ml
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualita (Presen gms/m	nt/Absent/ 25
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888(Part 1): 1999	≥100ct ≥10cft	
		Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualita (Presen gms/m	nt/Absent/ 25
		Flat Sour Organisms	IFU 1996 Method No 6	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$	
		Bacillus cereus	IS 5887 (Part 6): 2012	≥100 c ≥10 cf	

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Fruit and Fruit Products	Detection of Shigella spp.	IS 5887 (Part 7): 1999	Qualit (Prese gms/n	ent/Absent/ 25		
	Detection of Salmonella spp.	IS 5887 (Part 3): 1999	Qualit (Prese gms/n	ent/Absent/ 25		
		BAM 2014 Chapter 5	Qualit (Prese gms/n	ent/Absent/ 25		
	Detection of Listeria spp.	AOAC (18 th Edition) 995.22	-	ent/Absent/ 25		
	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 ch	ange		
	Heat Resistant Molds spore	IFU 1996 Method No 4	Qualit (Prese gms.)	ent/Absent/ 50		
	Detection Of Lactic Acid bacteria	IFU 1996 Method No 5	$\geq 10 \text{ cm}$ $\geq 1 \text{ cft}$			
	Thermoduric Aciduric spore forming Bacteria-Spores Count	IFU 1996 Method No 6	$\geq 10 \text{ cm}$ $\geq 1 \text{ cft}$	-		
	Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	$\geq 10 \text{ c}$ $\geq 1 \text{ cft}$	efu/gm. ı/ml		
		ISO 21528 (Part 1): 2004	≥ 0.3 M	MPN /gm/ml		
			Qualit (Prese 25 gm	ent/ Absent per		

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	Fruit and Fruit Products	Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	$\geq 100 \text{ cm}$ $\geq 10 \text{ cm}$	efu/gm, u/ml	
		Detection of Vibrio cholerae	IS 5887 (Part 5): 1976 ISO 21872 (Part 1): 2007 E	Qualit (Prese 25 gm	nt/ Absent per	
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 / ISO 21872 (Part 1): 2007 E	Qualit (Prese 25 gm	nt/ Absent per	
7.	Vegetable and Vegetable Products	Total Plate Count	IS 5402: 2012	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$		
			ISO 4833-1: 2013	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$	u/ gms, /ml	
			BAM 2001 Chapter 3	≥10 cf ≥1 cfu		
		Yeast & Mould Count	IS 5403: 1999	≥10 cf ≥1 cfu		
			BAM 2001 Chapter 18	≥10 cf ≥1 cfu		
		Coliform Count	IS 5401: 2002	≥10 cf ≥1 cfu		
			BAM 2013 Chapter 4	\geq 3 M	PN /gm/ml	
			ISO 4832: 2006	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$		

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	Vegetable and Vegetable Products	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	≥100 ≥10 c	cfu/gm, fu/ml
			BAM 2013 Chapter 4	\geq 3 M	PN/gm/ml
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Quali (Prese 25 gn	ent/ Absent per
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888 (Part 1): 1999	≥1000 ≥10cf	efu/gm, u/ml
		Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Quali (Prese 25 gn	ent/ Absent per
		Bacillus cereus	IS 5887 (Part 6): 2012	≥100 ≥10 c	cfu/gm, fu/ml
		Detection of Shigella spp	IS 5887 (Part 7): 1999	Quali (Prese 25 gn	ent/ Absent per
		Detection of Salmonella spp	IS 5887 (Part 3): 1999	Quali (Prese 25 gn	ent/ Absent per
			BAM 2014 Chapter 5	Quali (Prese 25 gn	ent/ Absent per
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	~	ent/ Absent per

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specificatio against which tests are performed		e of Testing / of Detection		
	Vegetable and Vegetable Products	Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	$\geq 10 \text{ cm}$ $\geq 1 \text{ cfu}$			
			ISO 21528 (Part 1): 2004	$\geq 0.3 N$	IPN /gm/ml		
				Qualita (Prese) 25 gm	nt/ Absent per		
		Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	$\geq 100 \text{ cm}$ $\geq 10 \text{ cm}$			
		Detection of Vibrio cholerae	IS 5887 (Part 5): 1976 ISO 21872 (Part 1): 2007 E	Qualita (Prese) 25 gm	nt/ Absent per		
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 / ISO 21872 (Part 1): 2007 E	Qualita (Prese 25 gm	nt/ Absent per		
8.	Processed Food	Total Plate Count	IS 5402: 2012	≥10 cf ≥1 cfu			
			ISO 4833-1: 2013	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$	u/ gms, /ml		
			BAM 2001 Chapter 3	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$			
		Yeast & Mould Count	IS 5403: 1999	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$			
			BAM 2001 Chapter 18	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$			

Laboratory		TUV India Private Limited, (Laboratory Division), Survey No. 2, Hissa No. 311 & 312, Village Sus, Tal-Mulshi, Pune, Maharashtra				
Accreditation Stan	dard ISO/IEC 17025: 2005					
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S.No. Product / Material of Test	Specific Test Performed t	Test Method Specificatio against which tests are performed		e of Testing / s of Detection		
Processed Food	Coliform Count	IS 5401: 2002	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}$			
		BAM 2013 Chapter 4	\geq 3 M	PN /gm/ml		
		ISO 4832: 2006	$\geq 10 \text{ cf}$ $\geq 1 \text{ cf}$			
	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	$\geq 100 \text{ cm}$ $\geq 10 \text{ cm}$	cfu/gm, fu/ml		
		BAM 2013 Chapter 4	\geq 3 M	PN/gm/ml		
	Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualit (Prese 25 gm	ent/ Absent per		
	Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888 (Part 1):1999	≥100c ≥10cf	fu/gm, u/ml		
	Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualit (Prese 25 gm	ent/ Absent per		
	Bacillus cereus	IS 5887(Part 6): 2012	$\geq 100 \text{ cm}$ $\geq 10 \text{ cm}$	cfu/gm, fu/ml		
	Detection of Shigella spp.	IS 5887 (Part 7): 1999	Qualit (Prese 25 gm	nt/ Absent per		
	Detection of Salmonella spp.	IS 5887 (Part 3): 1999	Qualit (Prese 25 gm	ent/ Absent per		
		BAM 2014 Chapter 5	Qualit (Prese 25 gm	nt/ Absent per		

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Acc	reditation Standa	rd ISO/IEC 17025: 200	5		
Disc	ipline	Biological Testing		Issue Date	18.03.2015
Cert	ificate Number	T-2318		Valid Until	17.03.2017
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specificatio against which tests are performed		e of Testing / s of Detection
	Processed Food	Detection of Listeria spp.	AOAC (18 th Edition) 995.22		tative ent/ Absent per ns/ml)
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	$\geq 10 \text{ o}$ $\geq 1 \text{ cf}$	cfu/gm. ı/ml
			ISO 21528 (Part 1): 2004	\geq 0.31	MPN /gm/ml
					tative ent/ Absent per ns/ml)
		Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	≥100 ≥10 c	cfu/gm, fu/ml
		Detection of Vibrio cholerae	IS 5887 (Part 5): 1976 ISO 21872 (Part 1): 2007 E		tative ent/ Absent per ns/ml)
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 / ISO 21872 (Part 1): 2007 E		tative ent/ Absent per ns/ml)
9.	Milk and Dairy Products	Total Plate Count	IS 5402: 2012	≥10 c ≥1 cf	fu/gm, ı/ml
			ISO 4833-1: 2013	$\geq 10 c$ $\geq 1 cfi$	fu/ gms, ı/ml
			BAM 2001 Chapter 3	≥10 c ≥1 cf	fu/gm, ı/ml

Laboratory			TUV India Private Limited, (Laboratory Division), Survey No. 2, Hissa No. 311 & 312, Village Sus, Tal-Mulshi, Pune, Maharashtra					
Acc	reditation Standar	d ISO/IEC 17025: 2005						
Disc	cipline	Biological Testing		Issue Date	18.03.2015			
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed		e of Testing / s of Detection			
	Milk and Dairy Products	Yeast & Mould Count	IS 5403: 1999	≥10 c ≥1 cf	fu/gm, u/ml			
			BAM 2001 Chapter 18	≥10 c ≥1 cf	fu/gm, u/ml			
		Coliform Count	IS 5401: 2002	≥10 c ≥1 cf	fu/gm, u/ml			
			BAM 2013 Chapter 4	\geq 3 M	IPN /gm/ml			
			ISO 4832: 2006	≥10 c ≥1 cf	fu/gm u/ml			
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	≥100 ≥10 c	cfu/gm, fu/ml			
				≥10ct	fu/gm			
			BAM 2013 Chapter 4	$\geq 3 \text{ M}$	IPN/gm/ml			
		Detection of Escherichia coli	IS 5887 (Part 1): 1976		tative ent/ Absent per ns/ml)			
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888(Part 1): 1999	≥1000 ≥10ct	efu/gm, fu/ml			
				≥10ct	fu/gm			
		Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976		tative ent/ Absent per as/ml)			

Laboratory			TUV India Private Limited, (Laboratory Division), Survey No. 2, Hissa No. 311 & 312, Village Sus, Tal-Mulshi, Pune, Maharashtra				
Acc	reditation Standa	rd ISO/IEC 17025: 2005					
Disc	pline	Biological Testing		Issue Date	18.03.2015		
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specificatio against which tests are performed		ge of Testing / ts of Detection		
	Milk and Dairy Products	Bacillus cereus	IS 5887(Part 6): 2012		cfu/gm, cfu/ml		
		Detection of Shigella spp.	IS 5887 (Part 7): 1999	(Pres	itative ent/ Absent per ns/ml)		
		Detection of Salmonella spp.	IS 5887 (Part 3): 1999	(Pres	itative ent/ Absent per ns/ml)		
			BAM 2014 Chapter 5	-	itative ent/ Absent per ns)		
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	(Pres	itative ent/ Absent per ns/ml)		
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	≥ 10 $\geq 1cf$	cfu/gm. ù/ml		
			ISO 21528 (Part 1): 2004	\geq 0.3	MPN /gm/ml		
				(Pres	itative ent/ Absent per ns/ml)		
		Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976		cfu/gm, efu/ml		
		Detection of Vibrio cholerae	IS 5887 (Part 5): 1976 ISO 21872 (Part 1): 2007 E	(Pres	itative ent/ Absent per ns/ml)		

Laboratory			TUV India Private Limited, (Laboratory Division), Survey No. 2, Hissa No. 311 & 312, Village Sus, Tal-Mulshi, Pune, Maharashtra				
Acc	reditation Standa	rd ISO/IEC 17025: 2005					
Disc	ipline	Biological Testing		Issue Da	nte 18.03.2015		
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed		ange of Testing / mits of Detection		
	Milk and Dairy Products	Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 / ISO 21872 (Part 1): 2007 E	(F	ualitative Present/ Absent per 5 gms/ml)		
10.	Ready to Cook Ready to Eat	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	\geq	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	2	3 MPN/gm/ml		
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	(F	ualitative Present/ Absent per 5 gms/ml)		

Laboratory			TUV India Private Limited, (Laboratory Division), Survey No. 2, Hissa No. 311 & 312, Village Sus, Tal-Mulshi, Pune, Maharashtra					
Acc	reditation Standa	rd ISO/IEC 17025: 2005	ISO/IEC 17025: 2005					
Disc	cipline	Biological Testing		Issue Date	18.03.2015			
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specificatio against which tests are performed		e of Testing / s of Detection			
	Ready to Cook Ready to Eat	Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888(Part 1): 1999	≥100c ≥10cf	fu/gm, u/ml			
		Detection of Staphylococcus aureus	IS 5887 (Part 2) : 1976	Qualit (Prese 25 gm	nt/ Absent per			
		Bacillus cereus	IS 5887(Part 6): 2012	$\geq 100 \text{ cm}$ $\geq 10 \text{ cm}$	cfu/gm, fu/ml			
		Detection of Shigella spp.	IS 5887 (Part 7): 1999	Qualit (Prese 25 gm	nt/ Absent per			
		Detection of Salmonella spp.	IS 5887 (Part 3): 1999	Qualit (Prese 25 gm	nt/ Absent per			
			BAM 2014 Chapter 5		ative nt/ Absent per s/ml)			
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	Qualit (Prese 25 gm	nt/ Absent per			
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	$\geq 10 \text{ c}$ $\geq 1 \text{ cfu}$	fu/gm. /ml			
			ISO 21528 (Part 1): 2004	$\geq 0.3 M$	/IPN /gm/ml			
				Qualit (Prese 25 gm	nt/ Absent per			

			TUV India Private Limited, (Laboratory Division), Survey No. 2, Hissa No. 311 & 312, Village Sus, Tal-Mulshi, Pune, Maharashtra				
Acc	reditation Standa	rd ISO/IEC 17025: 2005					
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specificatio against which tests are performed		e of Testing / s of Detection		
	Ready to Cook Ready to Eat	Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	≥100 ≥10 ct	cfu/gm, fu/ml		
		Detection of Vibrio cholerae	IS 5887 (Part 5): 1976 ISO 21872 (Part 1): 2007 E	Qualit (Prese 25 gm	ent/ Absent per		
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 / ISO 21872 (Part 1): 2007 E	Qualit (Prese 25 gm	ent/ Absent per		
11.	Spices and Condiments	Total Plate Count	IS 5402: 2012	$\geq 10 \text{ cm}$ $\geq 1 \text{ cft}$			
			ISO 4833-1: 2013	$\geq 10 \text{ cm}$ $\geq 1 \text{ cft}$	fu/ gms, ı/ml		
			BAM 2001 Chapter 3	$\geq 10 \text{ cm}$ $\geq 1 \text{ cft}$	fu/gm, i/ml		
		Yeast & Mould Count	IS 5403: 1999	$\geq 10 \text{ cm}$ $\geq 1 \text{ cft}$			
			BAM 2001 Chapter 18	$\geq 10 \text{ cm}$ $\geq 1 \text{ cft}$	fu/gm, µ/ml		
		Coliform Count	IS 5401: 2002	$\geq 10 \text{ cm}$ $\geq 1 \text{ cft}$			
			BAM 2013 Chapter 4	\geq 3 M	PN /gm/ml		
			ISO 4832: 2006	$\geq 10 \text{ cm}$ $\geq 1 \text{ cfm}$			

Laboratory			TUV India Private Limited, (Laboratory Division), Survey No. 2, Hissa No. 311 & 312, Village Sus, Tal-Mulshi, Pune, Maharashtra				
Acc	reditation Standa	rd ISO/IEC 17025: 2005	SO/IEC 17025: 2005				
Disc	ipline	Biological Testing		Issue Date	18.03.2015		
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specificatio against which tests are performed		e of Testing / s of Detection		
	Spices and Condiments	Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	≥100 ≥10 ct	cfu/gm, îu/ml		
			BAM 2013 Chapter 4	\geq 3 M	PN/gm/ml		
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualit (Prese 25 gm	nt/ Absent per		
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888(Part 1): 1999	≥100c ≥10cf	fu/gm, u/ml		
		Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualit (Prese 25 gm	nt/ Absent per		
		Bacillus Cereus	IS 5887(Part 6): 2012	≥100 ≥10 ct	cfu/gm, îu/ml		
		Detection of Shigella spp.	IS 5887 (Part 7): 1999		ative nt/ Absent per s/ml)		
		Detection of Salmonella spp.	IS 5887 (Part 3): 1999	Qualit (Prese 25 gm	nt/ Absent per		
			BAM 2014 Chapter 5	Qualit (Prese 25 gm	nt/ Absent per		
		Detection of Listeria spp.	AOAC (18 th Edition) 995.22	Qualit (Prese 25 gm	nt/ Absent per		

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Acc	reditation Standa	rd ISO/IEC 17025: 2005	O/IEC 17025: 2005				
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specificatio against which tests are performed		e of Testing / s of Detection		
	Spices and Condiments	Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	$\ge 10 \text{ c}$ $\ge 1 \text{ cfu}$	fu/gm. /ml		
			ISO 21528 (Part 1): 2004	$\geq 0.3 M$	/IPN /gm/ml		
				Qualit (Prese 25 gm	nt/ Absent per		
		Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	$\geq 100 \text{ cm}$ $\geq 10 \text{ cm}$	cfu/gm, ìu/ml		
		Detection of Vibrio cholerae	IS 5887 (Part 5): 1976 ISO 21872 (Part 1): 2007 E	Qualit (Prese 25 gm	nt/ Absent per		
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976 / ISO 21872 (Part 1): 2007 E	Qualit (Prese 25 gm	nt/ Absent per		
12.	Egg and Egg Products	Total Plate Count	IS 5402: 2012	$\geq 10 ext{ cfu}$ $\geq 1 ext{ cfu}$	0		
			ISO 4833-1: 2013	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}$			
			BAM 2001 Chapter 3	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$			
		Yeast & Mould Count	BAM 2001 Chapter 18	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}$			
			IS 5403: 1999	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}$			

Laboratory			TUV India Private Limited, (Laboratory Division), Survey No. 2, Hissa No. 311 & 312, Village Sus, Tal-Mulshi, Pune, Maharashtra				
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Disc	ipline	Biological Testing		Issue Date	18.03.2015		
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specificati against which tests are performed		e of Testing / s of Detection		
	Egg and Egg Products	Coliform Count	IS 5401 (Part 1): 2002	≥ 10 ct ≥ 1 cf	îu/g m u/ml		
			ISO 4832: 2006	$\geq 10 \text{ c}$ $\geq 1 \text{ cf}$	fu/g m u/ml		
			BAM 2013 Chapter 4	\geq 3M	PN /gm/ml		
		Enumeration of Escherichia co	li IS 5887 (Part 1): 1976	≥100 ≥1 cf	cfu/gm u/ml		
			BAM 2013 Chapter 4	\geq 3 M	IPN/gm/ml		
		Detection of Escherichia coli	IS 5887 (Part 1): 1976		tative ent/ Absent per as)		
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888 (Part 1): 1999	≥1000 ≥1 cf	efu/gm u/ml		
		Detection of Staphylococcus IS 5887 (Part 2): 1976 aureus			tative ent/ Absent per ns/ml)		
		Detection of Shigella spp.	IS 5887 (Part 7): 1999	(Prese	tative ent/ Absent per ns/ml)		
		Detection of Salmonella spp.	IS 5887 (Part 3): 1999		tative ent/ Absent per ns/ml)		
			BAM 2014 Chapter 5		tative ent/ Absent per ns/ml)		

			TUV India Private Limited, (Laboratory Division), Survey No. 2, Hissa No. 311 & 312, Village Sus, Tal-Mulshi, Pune, Maharashtra				
Accr	editation Standa	rd 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		e of Testing / s of Detection		
	Egg and Egg Products	Detection of Vibrio cholerae	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualit (Prese 25 gm	nt/ Absent per		
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualit (Prese 25 gm	ent/ Absent per		
		Detection of Listeria Spp.	AOAC (18 th Edition) 995.22	-	ent/ Absent per		
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	$\geq 10 \text{ c}$ $\geq 1 \text{ cfu}$	fu/gm, ı/ml		
			ISO 21528 (Part 1): 2004	≥ 0.3]	MPN/gm/ml		
				Qualit (Prese 25 gm	nt/ Absent per		
		Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	$\geq 100 c$ $\geq 10 c$	cfu/gm. fu/ml		
	Poultry and Poultry Products	Total Plate Count	IS 5402: 2012	$\geq 10 ext{ cfu}$ $\geq 1 ext{ cfu}$			
			ISO 4833-1: 2013	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$	fu/ gm, //ml		
			BAM 2001 Chapter 3	≥10 ct ≥1 cfu			

Laboratory			TUV India Private Limited, (Laboratory Division), Survey No. 2, Hissa No. 311 & 312, Village Sus, Tal-Mulshi, Pune, Maharashtra				
Ассі	reditation Standar	d ISO/IEC 17025: 2005	ISO/IEC 17025: 2005				
Disc	ipline	Biological Testing		Issue Date	18.03.2015		
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed		of Testing / of Detection		
	Poultry and Poultry Products	Yeast & Mould Count	BAM 2001 Chapter 18	$\geq 10 \text{ cft}$ $\geq 1 \text{ cfu}/$	6		
			IS 5403: 1999	$\geq 10 \text{ cft}$ $\geq 1 \text{ cfu}/$			
		Coliform Count	IS 5401 (Part1): 2002	≥10cfu ≥1 cfu/			
			ISO 4832: 2006	$\geq 10 \text{ cft}$ $\geq 1 \text{ cfu}/$			
			BAM 2013 Chapter 4	\geq 3MP	N /gm/ml		
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	$\geq 100 \text{ cm}$ $\geq 1 \text{ cfu}/$			
			BAM 2013 Chapter 4	\geq 3 MP	PN/gm/ml		
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualita (Presen 25 gms	t/ Absent per		
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888(Part 1): 1999	≥100cf ≥1 cfu/			
		Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualita (Presen 25 gms	t/ Absent per		
		Detection of Shigella spp.	IS 5887 (Part 7): 1999	Qualita (Preser 25 gms	t/ Absent per		

Laboratory		TUV India Private Limited, (Laboratory Division), Survey No. 2, Hissa No. 311 & 312, Village Sus, Tal-Mulshi, Pune, Maharashtra				
Accreditation Standa	rd ISO/IEC 17025: 2005	ISO/IEC 17025: 2005				
Discipline	Biological Testing		Issue Date	18.03.2015		
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S.No. Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed		e of Testing / s of Detection		
Poultry and Poultry Products			Qualit (Prese 25 gm	ent/ Absent per		
		BAM 2014 Chapter 5	Qualit (Prese 25 gm	ent/ Absent per		
	Detection of Vibrio cholerae	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualit (Prese 25 gm	ent/ Absent per		
	Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualit (Prese 25 gm	ent/ Absent per		
	Detection of Listeria spp.	AOAC (18 th Edition) 995.22		ent/ Absent per		
	Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	$\geq 10 \text{ c}$ $\geq 1 \text{ cfc}$	fu/gm, i/ml		
		ISO 21528 (Part 1): 2004	≥ 0.3	MPN/gm/ml		
			Qualit (Prese 25 gm	ent/ Absent per		
	Enumeration of Faecal Streptococci	IS 5887 (Part 2): 1976	≥ 100 ≥ 10 c	cfu/gm. fu/ml		

Laboratory			TUV India Private Limited, (Laboratory Division), Survey No. 2, Hissa No. 311 & 312, Village Sus, Tal-Mulshi, Pune, Maharashtra					
Acc	reditation Standar	d ISO/IEC 17025: 2005	ISO/IEC 17025: 2005					
Disc	ipline	Biological Testing		Issue Date	18.03.2015			
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specificati against which tests are performed		of Testing / of Detection			
14.	Meat and Meat Products	Total Plate Count	IS 5402: 2012	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}/2$				
			ISO 4833-1: 2013	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}/2$				
			BAM 2001 Chapter 3	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}/2$				
		Yeast & Mould Count	BAM 2001 Chapter 18	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}/2$				
			IS 5403: 1999	$\geq 10 \text{ cft}$ $\geq 1 \text{ cfu}/2$				
		Coliform Count	IS 5401 (Part 1): 2002	\geq 10cfu \geq 1 cfu/				
			ISO 4832: 2006	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}/2$				
			BAM 2013 Chapter 4	\geq 3MP	N /gm/ml			
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	$\geq 100 \text{ cm}$ $\geq 1 \text{ cfu}/2$				
			BAM 2013 Chapter 4	\geq 3 MP	N/gm/ml			
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualita (Presen 25 gms	t/ Absent per			
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888(Part 1): 1999	≥100cf ≥1 cfu/				

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Accreditation Standar	rd 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		e of Testing / s of Detection
Meat and Meat Products	Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Quali (Prese 25 gn	ent/ Absent per
	Detection of Shigella spp	IS 5887 (Part 7): 1999	Quali (Prese 25 gn	ent/ Absent per
	Detection of Salmonella spp.	IS 5887 (Part 3): 1999	Quali (Prese 25 gn	ent/ Absent per
		BAM 2014 Chapter 5		tative ent/ Absent per ns/ml)
	Detection of Vibrio cholerae	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Quali (Prese 25 gn	ent/ Absent per
	Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E		tative ent/ Absent per ns/ml)
	Detection of Listeria spp.	AOAC (18 th Edition) 995.22	Quali (Prese 25 gn	ent/ Absent per
	Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	$\geq 10 \text{ o}$ $\geq 1 \text{ cf}$	cfu/gm, ı/ml
		ISO 21528 (Part 1): 2004	\geq 0.3	MPN/gm/ml
				tative ent/ Absent per ns/ml)

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed		of Testing / of Detection		
	Meat and Meat Products	Enumeration of Faecal Streptococci	IS 5887(Part 2): 1976	$\geq 100 \text{ cm}$ $\geq 10 \text{ cf}$			
15.	Sugar and Sugar Products	Total Plate Count	IS 5402: 2012	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}/$			
			ISO 4833-1: 2013	$\geq 10 \text{ cfu}$ $\geq 1 \text{ cfu}/$			
			BAM 2001 Chapter 3	$\geq 10 \text{ cft}$ $\geq 1 \text{ cfu}/2$			
		Yeast & Mould Count	BAM 2001 Chapter 18	$\geq 10 \text{ cft}$ $\geq 1 \text{ cfu}/2$			
			IS 5403: 1999	$\geq 10 \text{ cft}$ $\geq 1 \text{ cft}/$			
		Coliform Count	IS 5401 (Part 1): 2002	$\geq 10 \text{ cft}$ $\geq 1 \text{ cft}/$			
			BAM 2013 Chapter 4	\geq 3 MP	N/gm/ml		
			ISO 4832: 2006	$\geq 10 \text{ cft}$ $\geq 1 \text{ cfu}/$			
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	$\geq 100 \text{ cm}$ $\geq 1 \text{ cfu}/$			
			BAM 2013 Chapter 4	\geq 3 MP	N /gm/ml.		
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualita (Presen 25 gms	t/ Absent per		

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed		e of Testing / of Detection			
	Sugar and Sugar Products	Detection of Salmonella spp	BAM 2014 Chapter 5	Qualita (Preser 25 gms	nt/ Absent per			
			IS 5887 (Part 3): 1999	Qualita (Preser 25 gms	nt/ Absent per			
		Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888 (Part 1): 1999	≥100 c ≥10cfu				
		Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualita (Preser 25 gms	nt/ Absent per			
		Detection and Enumeration of Enterobacteriaceae	ISO 21528 (Part 2): 2004	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$				
			ISO 21528 (Part 1): 2004	\geq 0.3 M	/IPN /gm/ml			
				Qualita (Preser 25 gms	nt/ Absent per			
		Enumeration of Faecal Streptococci	IS 5887(Part 2):1976	$\geq 100 \text{ c}$ $\geq 10 \text{ cf}$				
		Detection of Vibrio cholerae	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualita (Preser 25 gms	nt/ Absent per			
		Detection of Vibrio parahaemolyticus	IS 5887 (Part 5): 1976/ ISO 21872 (Part 1): 2007 E	Qualita (Preser 25 gms	nt/ Absent per			

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed		e of Testing / s of Detection		
	Sugar and Sugar Products	Enumeration of Bacillus cereus	IS 5887 (Part 5): 2012	≥100 c ≥1 cfu	cfu/gm, /ml		
16.	Bakery & Confectionaries	Total Plate Count	IS 5402: 2012	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$			
	Cakes Chocolates		BAM 2001 Chapter 3	≥10 cf ≥1 cfu			
			ISO 4833-1: 2013	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$			
		Yeast & Mould Count	BAM 2001 Chapter 18	$\geq 10 \text{ cf}$ $\geq 1 \text{ cfu}$			
			IS 5403: 1999	$\geq 10 \text{ c}$ $\geq 1 \text{ cfu}$			
		Coliform Count	IS 5401(Part 1): 2002	≥10cfi ≥1 cfu			
			ISO 4832: 2006	$\geq 10 \text{ cfu/gm.}$ $\geq 1 \text{ cfu/ml.}$			
			BAM 2013 Chapter 4	≥ 3 M	PN /gm/ml		
		Enumeration of Escherichia coli	IS 5887 (Part 1): 1976	$\geq 100 \text{ cm}$ $\geq 10 \text{ cm}$	cfu/gm. `u/ml		
			BAM 2013 Chapter 4	\geq 3 M	PN /gm/ml.		
		Detection of Escherichia coli	IS 5887 (Part 1): 1976	Qualit (Prese 25 gm	nt/ Absent per		

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S.No. Product / Material of Test	Specific Test Performed	Test Method Specificatio against which tests are performed		e of Testing / s of Detection		
Bakery & Confectionaries	Enumeration of Staphylococcus aureus	IS 5887 (Part 2): 1976 ISO 6888(Part 1): 1999		cfu/gm, iu/ml/gm		
Cakes Chocolates	Detection of Staphylococcus aureus	IS 5887 (Part 2): 1976	Qualitative (Present/ Absent per 25 gms/ml)			
	Detection of Salmonella	BAM 2014 Chapter 5	gms/m	ative nt/Absent/ 25 al /250gms/ml / ns/ml)		
	Detection and Enumeration of Enterobacteriaceae	ISO 21528 (2) : 2004	$\geq 10 c$ $\geq 1 c f u$			
		ISO 21528 (1) :2004	\geq 0.3]	MPN/gm/ml		
			Qualit (Prese 25 gm	nt/ Absent per		
	Enumeration of Faecal Streptococci	IS 5887(Part-2):1976	≥ 100 $\geq 10 \text{ c}$	cfu/gm fu/ml		
	Detection of Listeria spp	AOAC 18 th Edition 995.22	Qualit (Prese 25 gm	nt/ Absent per		
	Enumeration of Bacillus cereus	IS 5887(Part-6): 2012	≥ 100 $\geq 10 c$	cfu/gm, fu/ml		

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed		e of Testing / s of Detection		
п.	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	Qualita (Prese 250 m	nt/Absent per		
			IS 1622: 1981	2 MPN per 10	N to 1600 MPN 0 ml		
		Enumeration of Coliforms	IS 5401 (Part 1): 2002 / IS 15185: 2002/	Qualita (Prese) 250 m	nt/Absent per		
			IS 1622: 1981	2 MPN per 10	l to 1600 MPN 0 ml		
		Feacal Streptococci	IS 5887 (Part 2): 1976	Qualita (Prese: 250 m	nt/Absent per		
		Staphylococcus aureus	IS 5887 (Part 2):1976	Qualit (Prese 250 m	nt/Absent per		
		Sulphite reducing anaerobes	IS 13428: 2005 Annexure C	Qualita (Prese 50 ml)	nt/Absent per		
		Pseudomonas aeruginosa	IS 13428: 2005 Annexure D	Qualita (Prese 250 m	nt/Absent per		
		Aerobic microbial Count	IS 5402: 2012	$\geq 1 \mathrm{cft}$	ı/ml		

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S.No. Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed		e of Testing / s of Detection	
Drinking Water, Packaged Natural, Mineral Water,	Yeast and mould Count	IS 5403: 1999	Qualit (Prese 250 m	nt/Absent per	
Domestic Water, Irrigation Water, Packaged Drinking Water, Distilled	Detection of Salmonella spp.	IS 15187: 2002 / IS 5887 (Part 3): 1999	Qualit (Prese 250 m	nt/Absent per	
Water & Water for Processed Food Industry	Detection of Shigella	IS 5887 (Part 7): 1999	Qualit (Prese 250 m	nt/Absent per	
	Vibrio cholerae	IS 5887 (Part 5): 1976	Qualit (Prese 250 m	nt/Absent per	
	Vibrio parahaemolyticus	IS 5887 (Part 5): 1976	Qualit (Prese 250 m	nt/Absent per	
	Proteolytic organisms	IS 4251: 1967 (RA 2009)	≥1cfu/	/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 Specificati against which tests are performed	on Rar Lim	nge of Testing / its of Detection
III.	DRUGS AND PHAP	RMACEUTICALS			
1.	Herbal Drugs	Microbial Limit Test			
		Total Aerobic Viable Count	IP 2014 USP 37 NF 32		cfu/gm cfu/ml
		Detection of Bile Tolerant gram negative bacteria		-	litative esent/Absent/gm nl)
		Detection of Escherichia coli		(Pre	litative esent/Absent/gm nl/10gm)
		Detection of Salmonella spp.		(Pre	litative esent/Absent/gm nl/10gm)
		Detection of Pseudomonas aeruginosa			litative esent/Absent/gm hl)
		Detection of Staphylococcus aureus		-	litative esent/Absent/gm nl)
		Detection of Candida albicans			litative esent/Absent/gm nl)

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IV.	ENVIRONMENT &	POLLUTION				
1.	Swabs	Bacterial Count	Compendium of Methods for Microbiological Examination Foods – IS 5402: 20012 ISO 4833-1: 2013 APHA (4 th Edition): 2001 Chapter 3 Clause 3.81 & 3.82 BAM 2001 Chapter 3	of in ≥	n sq. c <u>></u> 100 c	u /area covered m, sfu/area d in sq. cm
		Yeast & Mould Count	Compendium of Methods for Microbiological Examination Foods – IS 5403: 1999 APHA (4 th Edition): 2001 Chapter 3 Clause 3.81 & 3.82 BAM 2001 Chapter 18	of in ≥	n sq. c 2 100c	u/area covered m, fu/ area d in sq. cm
		Coliform Count	Compendium of Methods for Microbiological Examination Foods – IS 5401: 2002 APHA (4 th Edition): 2001 Chapter 3 Clause 3.81 & 3.82	of in ≥	n sq. c 2 100 c	u/area covered m, cfu/ area d in sq. cm

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Acci	editation 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		nge of Testing / nits of Detection