

Laboratory	Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	02.12.2014
Certificate Number	T-1189	Valid Until	01.12.2016
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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.	WATER			
1.	Drinking Water/ Water for Swimming Pools/ Water for Construction Purpose/ Water from purifiers/ Ground water /Surface water /Sea water/ Medicinal purpose Distilled / demineralized water/ Water for Processed food industry/ Water for Industrial purpose/ Water for Ice Manufacture/ Water for Fermentation industry/ Irrigation water /Cooling purpose water/ Primary Water Quality by CPCB/ WHO Guidelines	Total Coliforms	APHA, 22 nd Ed., 2012,9221-B, 9-66 Multiple tube fermentation technique IS 1622:1981, (RA 2009),Ed. 2.4 (2003-05) Multiple tube fermentation technique APHA, 22 nd Ed., 2012, 9222-B,9-78 Membrane filtration technique (MFT) IS1622:1981, (RA 2009), Ed. 2.4 (2003- 05) Membrane filtration technique (MFT) APHA, 22 nd Ed., 2012, 9221-D,9-73 P-A Coliform test	<1.1to1.6 x10 ⁸ MPN index /100 ml 1 to 1.6 x 10 ⁸ MPN index /100 ml ≥ 1 CFU/100 ml ≥ 1 Coliform/100 ml Present or Absent / 100 ml
		Faecal Coliforms	APHA, 22 nd Ed., 2012,9221-E, 9-74 Multiple tube fermentation technique IS 1622:1981, (RA 2009), Ed.2.4 (2003- 05) Multiple tube fermentation technique APHA, 22 nd Ed., 2012, 9222-D , 9-85 Membrane filtration technique (MFT)	<1.1 to 1.6 x10 ⁸ MPN index /100 ml 1 to 1.6 x 10 ⁸ MPN index /100 ml ≥ 1 CFU/100 ml

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	Drinking Water/ Water for Swimming Pools/ Water for Construction Purpose/ Water from purifiers/ Ground water /Surface water /Sea water/ Medicinal purpose Distilled / demineralized water/ Water for Processed food industry/ Water for Industrial purpose/ Water for Ice Manufacture/ Water for Fermentation industry/ Irrigation water /Cooling purpose water/ Primary Water Quality by CPCB/ WHO Guidelines	Standard Plate Count	APHA, 22 nd Ed., 2012, 9215-B,9-52 IS1622:1981, (RA 2009), Ed. 2.4 (2003- 05) Pour plate method IS 15188:2002, (RA 2009) Membrane filtration technique(MFT)	≥ 1 CFU/ml ≥ 1 CFU/100 ml
		Yeast and Mould Count	IS 5403:1999,(RA 2009)	≥ 1 CFU/ml
		Detection & Enumeration of Escherichia coli	APHA, 22 nd Ed.,2012, 9221-G, 9-76 Multiple tube fermentation technique IS1622:1981, (RA 2009), Ed. 2.4 (2003-05) Multiple tube fermentation technique	<1.1 to 1.6 x10 ⁸ MPN index /100 ml Present or Absent/100 ml 1 to 1.6 x 10 ⁸ MPN index /100 ml Present or Absent/100 ml
		Enumeration of Proteolytic organisms	IS 4251:1967, (RA 2009) Ed.1.2 (2004-08)	≥ 1 CFU/ml
		Enumeration of Lipolytic organisms	IS 4251:1967, (RA 2009), Ed.1.2 (2004-08)	≥ 1 CFU/ml
		Detection of Clostridium welchii (perfringens)	IS 1622:1981, (RA 2009), Ed. 2.4 (2003-05)	Present or Absent/ 100 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/ Water for Swimming Pools/ Water for Construction Purpose/ Water from purifiers/ Ground water /Surface water /Sea water/ Medicinal purpose Distilled / demineralized water/ Water for Processed food industry/ Water for Industrial purpose/ Water for Ice Manufacture/ Water for Fermentation industry/ Irrigation water /Cooling purpose water/ Primary Water Quality by CPCB/ WHO Guidelines	Detection of Faecal Streptococci	IS15186:2002, (RA 2009)	Present or Absent/100 ml
		Enumeration of Faecal Streptococci	APHA, 22 nd Ed., 2012, 9230-B,9-111 Multiple tube fermentation technique IS 1622:1981, (RA 2009), Ed. 2.4 (2003- 05) Multiple tube fermentation technique IS1622:1981, (RA 2009), Ed. 2.4 (2003- 05) Membrane filtration technique(MFT) IS 15186: 2002	<1.1 to 1.6 x10 ⁸ MPN index /100 ml 1 to 1.6 x 10 ⁸ MPN index /100 ml ≥ 1 CFU/ 100 ml ≥ 1 CFU/ 100 ml
		Detection of Pseudomonas aeruginosa	IS 13428:2005, Annex D,(RA 2009), Amds.4	Present or Absent/ 100 ml
		Enumeration of Pseudomonas aeruginosa	IS 13428:2005, Annex D (RA 2009) Amds.4, & IS 15188:2002, (RA 2009)	<1 to 18MPN index /100 ml
		Detection of Salmonella spp.	APHA, 22 nd Ed., 2012, 9260-B,9-145 IS 15187:2002, (RA 2009) Membrane filtration technique (MFT)	Present or Absent/100 ml Present or Absent/100 ml
		Detection of Shigella spp.	APHA, 22 nd Ed., 2012, 9260-E,9-150	Present or Absent / 100 ml
		Detection of Staphylococcus aureus	APHA, 22 nd Ed., 2012, 9213-B,9-44	Present or Absent/100 ml
		Enumeration of Staphylococcus aureus	IS 5887 (Part II):1976, (RA 2009)	≥ 1 CFU/ ml

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		Detection of Sulphite reducing anaerobes	Annex C of IS 13428:2005, (RA 2009), Amds.4	Present or Absent/ 100 ml
		Enumeration of Sulphite reducing anaerobes	Annex C of IS 13428:2005, (RA 2009), Amds.4 & IS15188:2002	<1 to 180MPN index /100 ml
		Detection of Vibrio cholerae	APHA, 22 nd Ed., 2012, 9260-H,9-160	Present or Absent /100 ml
		Enumeration of Vibrio cholera	IS 5887 (Part V):1976,(RA 2009)	≥ 1 CFU/ ml
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009)	Present or Absent / 100 ml
		Enumeration of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009)	≥ 1 CFU/ ml
2.	Packaged Drinking Water/ Packaged Natural Mineral Water/ All types of water	Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887 (Part I):1976,(RA 2009) IS 15185:2002, (RA 2009)	Present or Absent/250 ml Present or Absent/250 ml
		Detection of Coliforms	IS 5401 (Part 1):2002, (RA 2007) IS 15185:2002, (RA 2009)	Present or Absent/250 ml Present or Absent/250 ml
		Detection of Faecal Streptococci(Enterococci)	IS 5887 (Part II):1976,(RA 2009) IS 15186: 2002, (RA 2009)	Present or Absent/250 ml Present or Absent/250 ml
		Detection of Staphylococcus aureus	IS 5887 (Part II):1976,(RA 2009)	Present or Absent/250 ml
		Detection of Sulphite reducing anaerobes	IS 13428:2005, Annex C (RA 2009) Amds.4	Present or Absent/50 ml

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	Packaged Drinking Water/ Packaged Natural Mineral Water/ All types of water	Detection of Pseudomonas aeruginosa	IS 13428:2005, Annex D (RA 2009) Amds.4	Present or Absent/250 ml
		Aerobic Microbial Count at 20 to 22 °C in 72 h	IS 5402:2012	≥ 1 CFU/ml
		Aerobic Microbial Count at 37°C in 24 h	IS 5402:2012	≥ 1 CFU/ml
		Detection of Yeast and Moulds	IS 5403:1999 (RA 2009)	Present or Absent/250 ml
		Detection of Salmonella spp.	IS 15187:2002 (RA 2009)	Present or Absent/250 ml
		Detection of Shigella spp.	IS 5887 (Part 7):1999, (RA 2009)	Present or Absent/250 ml
		Detection of Vibrio cholerae	IS 5887 (Part V):1976,(RA 2009)	Present or Absent/250 ml
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V):1976, (RA 2009)	Present or Absent/250 ml

II. POLLUTION AND ENVIRONMENT

1. Effluents & Sewage	Total Coliforms	APHA, 22 nd Ed., 2012, 9221-B,9-66 Multiple tube fermentation technique IS1622:1981, (RA 2009), Ed. 2.4 (2003- 05) Multiple tube fermentation technique	<1.1 to 1.6 x 10 ⁸ MPN index /100 ml 1 to 1.6 x 10 ⁸ MPN index /100 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
	Effluents & Sewage	Faecal Coliforms	APHA, 22 nd Ed., 2012, 9221-E,9-74 Multiple tube fermentation technique IS1622:1981, (RA 2009), Ed. 2.4 (2003- 05) Multiple tube fermentation technique	<1.1 to 1.6 x 10 ⁸ MPN index /100 ml 1 to 1.6 x 10 ⁸ MPN index /100 ml
		Standard Plate Count	APHA, 22 nd Ed.,2012,9215-B,9-52 IS1622:1981, (RA 2009), Ed. 2.4 (2003- 05)Pour plate method	≥ 1 CFU/ml
		Detection & Enumeration of E.coli	APHA, 22 nd Ed., 2012,9221-G, 9-76 Multiple tube fermentation technique IS1622:1981, (RA 2009), Ed. 2.4 (2003- 05) Multiple tube fermentation technique	<1.1 to 1.6 x 10 ⁸ MPN index /100 ml Present or Absent /100 ml 1 to 1.6 x 10 ⁸ MPN index /100 ml Present or Absent / 100 ml
		Detection of Clostridium welchii (perfringens)	IS1622: 1981, (RA 2009), Ed. 2.4 (2003- 05)	Present or Absent / 100 ml
		Detection of Faecal Streptococci	IS 15186: 2002, (RA 2009)	Present or Absent/100 ml
		Enumeration of Faecal Streptococci	APHA, 22 nd Ed, 2012, 9230-B, 9-111 Multiple tube fermentation technique IS 1622: 1981, (RA 2009), Ed. 2.4 (2003- 05) Multiple tube fermentation technique IS1622:1981, (RA 2009) Ed. 2.4 (2003- 05) Membrane filtration technique (MFT) IS 15186: 2002, (RA 2009)	<1.1 to 1.6 x 10 ⁸ MPN index /100 ml 1 to 1.6 x 10 ⁸ MPN index /100 ml ≥ 1 CFU/ 100 ml ≥ 1 CFU/ 100 ml

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	Effluents & Sewage	Detection of Pseudomonas aeruginosa	Annex D of IS 13428:2005 (RA 2009) ,Amds.3	Present or Absent/ 100 ml
		Enumeration of Pseudomonas aeruginosa	Annex D of IS 13428:2005 (RA 2009) ,Amds.3 & IS 15188:2002, (RA 2009)	1 to 18 MPN index /100 ml
		Detection of Salmonella spp.	APHA, 22 nd Ed.,2012, 9260-B,9-145 IS 15187:2002,(RA 2009)	Present or Absent/100 ml Present or Absent/100 ml
		Detection of Shigella spp.	APHA, 22 nd Ed., 2012, 9260-E,9-150	Present or Absent / 100 ml
		Detection of Staphylococcus aureus	APHA, 22 nd Ed., 2012, 9213-B,9-44	Present or Absent/100 ml
		Enumeration of Staphylococcus aureus	IS 5887 (Part II):1976, (RA 2009)	≥ 1 CFU/ ml
		Detection of Sulphite reducing anaerobes	IS 13428:2005, Annex C (RA 2009), Amds.3	Present or Absent/ 100 ml
		Enumeration of Sulphite reducing anaerobes	IS 13428:2005, Annex C (RA 2009) Amds.3 & IS 15188:2002, (RA 2009)	1 to 180MPN index /100 ml
		Detection of Vibrio cholerae	APHA, 22 nd Ed., 2012, 9260-H,9-160	Present or Absent / 100 ml
		Enumeration of Vibrio cholerae	IS 5887 (Part V) :1976,(RA2009)	≥ 1 CFU/ml
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009)	Present or Absent / 100 ml
		Enumeration of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009)	≥ 1 CFU/ml

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2.	Air Monitoring for Microbial contamination (Plate Exposure, Swabs)/ Bio burden Estimation of Classified & Non- classified area	Total Bacterial Count	USP 32,NF-27,Chapter<1116> ISO 18593:2004(E) IS 5402:2012 WI/SAP-Micro/5/61, Issue Date: 01.04.2014	$\geq 1 \text{ CFU/m}^3$ $\geq 1 \text{ CFU/cm}^2/\text{swab}$
		Yeast & Mould Count	USP 32,NF-27,Chapter<1116> ISO 18593:2004(E) IS 5403:1999,(RA 2009) WI/SAP-Micro/5/61, Issue Date: 01.04.2014	$\geq 1 \text{ CFU/m}^3$ $\geq 1 \text{ CFU/cm}^2/\text{swab}$
		Coliform Count	USP 32,NF-27,Chapter<1116> ISO 18593:2004(E) IS 5401 (Part 1):2002,(RA 2007)/ ISO 4832:1991 WI/SAP-Micro/5/61, Issue Date: 01.04.2014	$\geq 1 \text{ CFU/m}^3$ $\geq 1 \text{ CFU/cm}^2/\text{swab}$
		Escherichia coli	USP 32, NF-27,Chapter<1116> ISO 18593:2004(E) IS 5887(Part I):1976, (RA 2009) WI/SAP-Micro/5/61, Issue Date: 01.04.2014	$\geq 1 \text{ CFU/m}^3$ $\geq 1 \text{ CFU/cm}^2/\text{swab}$
		Staphylococcus aureus	USP 32, NF-27,Chapter<1116> ISO 18593:2004(E) IS 5887 (Part II):1976, (RA 2009) WI/SAP-Micro/5/61, Issue Date: 01.04.2014	$\geq 1 \text{ CFU/m}^3$ $\geq 1 \text{ CFU/cm}^2/\text{swab}$

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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
	Air Monitoring for Microbial contamination (Plate Exposure, Swabs)/ Bio burden Estimation of Classified & Non- classified area	Pseudomonas aeruginosa	USP 32, NF-27,Chapter<1116> ISO 18593:2004(E) IS 14843:2000, (RA 2009) WI/SAP-Micro/5/61, Issue Date: 01.04.2014	$\geq 1 \text{ CFU/m}^3$ $\geq 1 \text{ CFU/cm}^2/\text{swab}$
		Clostridium spp.	USP 32, NF-27,Chapter<1116> ISO 18593:2004(E) IS 5887 (Part 4):1976, (RA 2009) WI/SAP-Micro/5/61, Issue Date: 01.04.2014	$\geq 1 \text{ CFU/m}^3$ Absent/ cm^2/swab
		Salmonella spp.	USP 32, NF-27,Chapter<1116> ISO 8593:2004(E) IS 5887(Part 3):1999, (RA 2009) WI/SAP-Micro/5/61, Issue Date: 01.04.2014	$\geq 1 \text{ CFU/m}^3$ Absent/ cm^2/swab
		Listeria monocytogenes	USP 32, NF-27,Chapter<1116> ISO 8593:2004(E) US FDA BAM,8 th Edition,RevisionA,Chapter 10, April 2011,Updated Feb 2013 WI/SAP-Micro/5/61, Issue Date: 01.04.2014	$\geq 1 \text{ CFU/m}^3$ Absent/ cm^2/swab

III. FOOD & AGRICULTURAL PRODUCTS

1. Milk and Dairy Products Infant Foods (Dairy Productsand Analogues)	Aerobic Microbial Count/Total Viable Count /Total Plate Count/Total Bacterial Count	IS 5402:2012 US FDA BAM, 8 th Edition, Revision A, Chapter 3,Jan 2001	$\geq 10 \text{ CFU/g}$ or $\geq 1 \text{ CFU/ml}$ $\geq 10 \text{ CFU/gor}$ $\geq 1 \text{ CFU/ml}$
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	Milk and Dairy Products Infant Foods (Dairy Products and Analogues)	Coliform Count	IS 5401 (Part 1):2002, (RA 2007) / ISO 4832 : 1991	≥ 10 CFU /g or ≥ 1 CFU/ml Present or Absent/ 0.1 g or ml
			IS 5401 (Part 2):2012 / ISO 4831:2006	<0.3 to 1.1x10 ⁶ MPN index/g or ml
			US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013.	≥ 10 CFU/ g or ≥ 1 CFU /ml
		Yeast and Mould Count	IS 5403:1999, (RA 2009)	Present or Absent/ 1 g or ml Present or Absent/ 0.1 g or ml
			US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001	≥ 10 CFU/g or ≥ 1 CFU/ml ≥ 10 CFU /g or ≥ 1 CFU/ml
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g or 25 ml Present or Absent /0.1 g or ml Present or Absent /1 g or ml
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009)	≥ 10 CFU /g or ≥ 1 CFU/ml 0.3 to 1.1x10 ⁶ MPN index/g or ml
			US FDA BAM ,8 th Edition , Revision A, Chapter 4, Sept.2002, Updated Feb 2013	<3 to 1.1x10 ⁶ MPN index /g or ml

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	Milk and Dairy Products Infant Foods (Dairy Products and Analogues)	Detection of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001	Present or Absent / 25 g or 25 ml
		Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001	≥ 10 CFU/g or ≥ 1 CFU/ml
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU/g
		Detection of Faecal Streptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g or 25 ml
		Enumeration of Faecal Streptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g or ≥ 1 CFU/ml
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009/ ISO 13720:1995	≥ 10 CFU/g or ≥ 1 CFU/ml
		Detection of Salmonella spp.	IS 5887 (Part 3):1999, (RA 2009), USFDA BAM, 8 th Edition, Revision A, Chapter 5, Updated May 2014	Present or Absent / 25 g or 25 ml
		Detection of Shigella spp.	IS 5887 (Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 6, Jan 2001	Present or Absent / 25 g or 25 ml
		Detection of Staphylococcus aureus (Coagulase positive)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent/25g or 25 ml Present or Absent /0.1 g or ml Present or Absent / 1 g or ml

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	Milk and Dairy Products Infant Foods (Dairy Products and Analogues)	Enumeration of Staphylococcus aureus (Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887 (Part 8):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A, Chapter 12, Jan 2001	≥ 10 CFU /g ≥ 1 CFU/ml
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993, (RA 2009)	≥ 10 CFU /g ≥ 1 CFU/ml
		Detection of Vibrio cholerae	IS 5887 (Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004	Present or Absent / 25 g or 25 ml
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004	Present or Absent / 25 g or 25 ml
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition, Revision A, Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25 g or 25 ml Present or Absent / 1 g or ml
		Enumeration of Bacillus cereus (Aerobic spore count)	IS 5887 (Part 6):2012, ISO 7932:2004	≥ 10 CFU/g ≥ 1 CFU/ml
2.	Edible Oils and Fats (Fats, Oils and Fat Emulsions)	Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count	IS 5402:2012	≥ 10 CFU /g
			US FDA BAM, 8 th Edition, Revision A, Chapter 3, Jan 2001	≥ 10 CFU /g

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	Edible Oils and Fats (Fats,Oils and Fat Emulsions)	Coliform Count	IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832:1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A,Chapter 4, Sept.2002,Updated Feb 2013	≥ 10 CFU /g <0.3 to 1.1×10^6 MPN index/g ≥ 10 CFU/ g <3 to 1.1×10^6 MPN index /g
		Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM,8 th Edition, Revision A,Chapter 18, April 2001	≥ 10 CFU/g ≥ 10 CFU/g
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25 g
		Enumeration of Escherichia coli	IS 5887 (Part I):1976, (RA 2009) US FDA BAM,8 th Edition,RevisionA,Chapter 4,Sept.2002,Updated Feb 2013	≥ 10 CFU /g 0.3 to 1.1×10^6 MPN index /g <3 to 1.1×10^6 MPN index /g
		Detection of Clostridiumperfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition,RevisionA,Chapter 16, Jan 2001	Present or Absent / 25 g

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	Edible Oils and Fats (Fats,Oils and Fat Emulsions)	Enumeration of Clostridiumperfringens	IS 5887 (Part 4):1976, (RA 2009), US FDA BAM,8 th Edition,RevisionA,Chapter 16, Jan 2001	≥ 10 CFU/g
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU/g
		Detection ofFaecalStreptococci(Entero cocci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent /25 g
		Enumeration of Faecal Streptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10CFU/g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009)/ ISO 13720:1995	≥10 CFU /g
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,RevisionA,Chapter 5, Updated May 2014	Present or Absent / 25 g
		Detection of Shigellaspp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM,8 th Edition,Revision A, Chapter 6, Jan 2001	Present or Absent / 25 g
		Detection of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent/25g
		Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002 ,Amendment No.1, Jan. 2010/ ISO 6888 -1:1999, US FDA BAM,8 th Edition,Revision A Chapter 12, Jan 2001	≥ 10CFU /g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
3.	Edible Oils and Fats (Fats,Oils and Fat Emulsions)	Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A Chapter 9, May, 2004	Present or Absent / 25 g
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May, 2004	Present or Absent / 25 g
		Enumeration of Enterobacteriaceae	IS/ISO 7402 :1993,(RA 2009)	≥10 CFU /g
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition, Revision A,Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25 g
		Enumeration of Bacillus cereus	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g
	Oil Seeds and By- products	Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count	IS 5402:2012 US FDA BAM,8 th Edition, Revision A Chapter 3, Jan 2001	≥ 10 CFU /g ≥ 10 CFU /g
		Coliform Count	IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006	≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g or ml
			US FDA BAM, 8 th Edition,RevisionA,Chapter 4, Sept.2002,UpdatedFeb2013	≥ 10 CFU / g <3 to 1.1x10 ⁶ MPN index /g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Oil Seeds and By- products	Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001	≥ 10 CFU/g ≥ 10 CFU/g
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887 (Part I):1976, (RA 2009)	Present or Absent / 25 g
		Enumeration of Escherichia coli	IS 5887 (Part I):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept. 2002, Updated Feb 2013	≥ 10 CFU /g 0.3 to 1.1×10^6 MPN index /g <3 to 1.1×10^6 MPN index /g
		Detection of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001	Present or Absent / 25 g
		Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001	≥ 10 CFU /g
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU /g
		Detection of Faecal Streptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Oil Seeds and By- products	Enumeration of Faecal Streptococci	IS 5887 (Part II):1976,(RA 2009)	≥ 10 CFU/g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000,(RA 2009)/ ISO 13720:1995	≥ 10 CFU/g
		Detection of Salmonella spp.	IS 5887(Part 3):1999,(RA 2009) US FDA BAM,8 th Edition,Revision A, Chapter 5, Updated May 2014	Present or Absent / 25 g
		Detection of Shigellaspp.	IS 5887(Part 7):1999,(RA 2009) US FDA BAM,8 th Edition, RevisionA,Chapter 6, Jan 2001	Present or Absent / 25 g
		Detection of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976,(RA 2009)	Present or Absent/25g
		Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976,(RA 2009) IS 5887(Part 8/Sec 1):2002 ,Amendment No.1,Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM,8 th Edition, Revision A,Chapter 12, Jan 2001	≥ 10 CFU/g
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A,Chapter 9, May, 2004	Present or Absent / 25 g
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A,Chapter 9, May, 2004	Present or Absent / 25 g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Oil Seeds and By- products	Enumeration of Enterobacteriaceae	IS/ISO 7402 :1993, (RA 2009)	≥ 10 CFU /g
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition, Revision A,Chapter 10, April 2011,Updated Feb 2013	Present or Absent / 25 g
		Enumeration of Bacillus cereus	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g
		Total Aflatoxins	ELISA Method, SOP No. WI/SAP-Micro/5/74	≥ 1.7 ppb
4.	Fruit & Fruit Products	Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count	IS 5402:2012	≥ 10 CFU/g or ≥ 1 CFU/ml
			US FDA BAM, 8 th Edition, Revision A,Chapter 3, Jan 2001	≥ 10 CFU/g or ≥ 1 CFU/ml
		Coliform Count	IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991	≥ 10 CFU /g or ≥ 1 CFU/ml
			IS 5401 (Part 2):2012 / ISO 4831:2006	<0.3 to 1.1×10^6 MPN index/g or ml
			US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU/ g or ≥ 1 CFU/ml
				<3 to 1.1×10^6 MPN index /g 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
	Fruit & Fruit Products	Yeast and Mould Count/Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001	≥ 10 CFU/g or ≥ 1 CFU/ml ≥ 10 CFU/g or ≥ 1 CFU/ml
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g or 25ml
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013	≥10CFU /g or ≥ 1 CFU /ml 0.3 to 1.1x10 ⁶ MPN index /g or ml <3 to 1.1x10 ⁶ MPN index/g or ml
		Detection of Clostridiumperfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001	Present or Absent / 25 g or 25ml
		Enumeration of Clostridiumperfringens	IS 5887 (Part 4):1976,(RA 2005) US FDA BAM, 8 th Edition,RevisionA,Chapter 16, Jan 2001	≥ 10 CFU /g or ≥ 1 CFU /ml
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU /g or ≥ 1 CFU/ml
		Detection of FaecalStreptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g or 25 ml

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	Fruit & Fruit Products	Enumeration of Faecal Streptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g or 1CFU /ml
		Detection of Shigellaspp.	IS 5887(Part 7) :1999, (RA 2009) US FDA BAM,8 th Edition,Revision A, Chapter 6, Jan 2001	Present or Absent / 25 g or 25ml
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g or ≥ 1 CFU /ml
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 5, Updated May 2014	Present or Absent / 25 g or 25 ml
		Detection of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent/25 g or 25 ml
		Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No.1 Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition,Revision A, Chapter 12, Jan 2001	≥ 10 CFU /g or ≥ 1 CFU /ml
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May, 2004	Present or Absent /25 g or 25 ml
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition,Revision A,Chapter 9, May, 2004	Present or Absent/ 25 g or 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
	Fruit & Fruit Products	Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993, (RA 2009)	≥ 10 CFU /g or ≥ 1 CFU/ml
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition, Revision A, Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25 g or 25 ml
		Enumeration of Bacillus cereus	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g or ≥ 1 CFU / ml
		Incubation at 37°C for 10 days and 55°C for 7 days	Compendium of methods for the microbiological examination of foods, APHA, 4 th Edition, Chapter 61, Page No. 577 WI/SAP-Micro/5/80	No changes in pH
		Flat Sour Organisms	Compendium of methods for the microbiological examination of foods, APHA, 4 th Edition, Chapter 24, Page No. 239 WI/SAP-Micro/5/82	≥ 10 CFU/g or ≥ 1 CFU /ml
		Yeast and Spores	AOAC, 19 th Edition, 984.29, Page No. 69 WI/SAP-Micro/5/81	≥ 1 per 1/60 c.m.m.
5.	Vegetable & Vegetable Products	Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count	IS 5402:2012 US FDA BAM, 8th Edition, Revision A, Chapter 3, Jan 2001	≥ 10 CFU/g or ≥ 1 CFU/ml ≥ 10 CFU/g or ≥ 1 CFU/ml

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	Vegetable & Vegetable Products	Coliform Count	IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU /g or ≥ 1 CFU/ml <0.3 to 1.1x10 ⁶ MPN index /g or ml ≥ 10 CFU/ g or ≥ 1 CFU/ml <3 to 1.1x10 ⁶ MPN index /g or ml
		Yeast and Mould Count/Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001	≥ 10 CFU/g or ≥ 1 CFU/ml ≥ 10 CFU/g or ≥ 1 CFU/ml
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g or 25ml
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013	≥10CFU /g or ≥ 1 CFU / ml 0.3 to 1.1x10 ⁶ MPN index /g or ml <3 to 1.1x10 ⁶ MPN index /g or ml
		Detection of Clostridiumperfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001	Present or Absent / 25 g or 25ml

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	Vegetable & Vegetable Products	Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001	≥ 10 CFU/g or ≥ 1 CFU/ml
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU/g or ≥ 1 CFU/ml
		Detection of Faecal Streptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g or 25 ml
		Enumeration of Faecal Streptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g or ≥ 1 CFU/ml
		Detection of Shigella spp.	IS 5887 (Part 7) :1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A , Chapter 6, Jan 2001	Present or Absent / 25 g or 25 ml
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g or ≥ 1 CFU/ml
		Detection of Salmonella spp.	IS 5887 (Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 5, Updated May 2014	Present or Absent / 25 g or 25 ml
		Detection of Staphylococcus aureus (Coagulase positive)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g or 25 ml
		Enumeration of Staphylococcus aureus (Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887 (Part 8/Sec 1):2002, Amendment No. 1 Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A, Chapter 12, Jan 2001	≥ 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
	Vegetable & Vegetable Products	Detection of <i>Vibrio cholerae</i>	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May, 2004	Present or Absent /25 g or 25 ml
		Detection of <i>Vibrio</i> <i>parahaemolyticus</i>	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May, 2004	Present or Absent/ 25 g or 25 ml
		Enumeration of <i>Enterobacteriaceae</i> Detection of <i>Listeria</i> <i>monocytogenes</i>	IS/ISO 7402: 1993, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 10, April 2011, Updated Feb 2013	≥ 10 CFU /g or ≥ 1 CFU/ml Present or Absent / 25 g or 25 ml
		Enumeration of <i>Bacillus</i> <i>cereus</i>	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g or ≥ 1 CFU / ml
		Incubation at 37°C for 10 days and 55°C for 7 days	Compendium of methods for the microbiological examination of foods, APHA, 4 th Edition, Chapter 61, Page No. 577	No changes in pH
		Flat Sour Organisms	Compendium of methods for the microbiological examination of foods, APHA, 4 th Edition, Chapter 24, Page No.239 WI/SAP-Micro/5/82	≥ 10 CFU/g or ≥ 1 CFU /ml
		Yeast and Spores	AOAC, 19 th Edition, 984.29, Page No. 69	≥ 1 per 1/60 c.m.m.

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6.	Canned, Processed and Frozen Foods	Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count	IS 5402:2012 US FDA BAM, 8th Edition, Revision A, Chapter 3, Jan 2001	≥ 10 CFU/g or ≥ 1 CFU/ml ≥ 10 CFU/g or ≥ 1 CFU/ml
		Coliform Count	IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006	≥ 10 CFU /g or ≥ 1 CFU/ml <0.3 to 1.1×10^6 MPN index/g or ml
			US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU/ g or ≥ 1 CFU/ml <3 to 1.1×10^6 MPN index/g or ml
		Yeast and Mould Count/Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001	≥ 10 CFU/g or ≥ 1 CFU/ml ≥ 10 CFU/g or ≥ 1 CFU/ml
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g or 25ml
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU /g or ≥ 1 CFU /ml 0.3 to 1.1×10^6 MPN index/g or ml <3 to 1.1×10^6 MPN index/g or ml

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	Canned, Processed and Frozen Foods	Detection of Clostridiumperfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition ,Revision A, Chapter 16, Jan 2001	Present or Absent / 25 g or 25ml
		Enumeration of Clostridiumperfringens	IS 5887 (Part 4):1976, (RA 2005) US FDA BAM, 8 th Edition,Revision A, Chapter 16, Jan 2001	≥ 10 CFU/g or ≥ 1 CFU/ml
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU/g or ≥ 1 CFU/ml
		Detection of FaecalStreptococci(Enteroco cci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g or 25 ml
		Enumeration of Faecal Streptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g or ≥ 1CFU/ml
		Detection of Shigellaspp.	IS 5887(Part 7) :1999, (RA 2009) US FDA BAM,8 th Edition,Revision A ,Chapter 6, Jan 2001	Present or Absent / 25 g or 25ml
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g or ≥ 1 CFU/ml
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 5, May 2014	Present or Absent / 25 g or 25 ml
		Detection of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent/25 g or 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
	Canned, Processed and Frozen Foods	Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No.1 Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A Chapter 12,Jan 2001	≥ 10 CFU /g or ≥ 1 CFU /ml
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004	Present or Absent / 25 g or 25 ml
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May, 2004	Present or Absent/ 25 g or 25 ml
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993, (RA 2009)	≥ 10 CFU /g or ≥ 1 CFU/ml
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition, Revision A, Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25 g or 25 ml
		Enumeration of Bacillus cereus	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g or ≥ 1 CFU / ml
		Incubation at37°C for 10 days and 55°C for 7 days	Compendium of methods for the microbiological examination of foods,APHA,4 th Edition, Chapter 61, Page No.577	No changes in pH
		Flat Sour Organisms	Compendium of methods for the microbiological examination of foods,4 th Edition,APHA, Chapter 24, Page No.239 WI/SAP-Micro/5/82	≥ 10 CFU/g or ≥ 1 CFU /ml

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	Canned, Processed and Frozen Foods	Yeast and Spores	AOAC, 19 th Edition, 984.29, Page No.69	≥1 per 1 /60 c.m.m.
7.	Jams, Juices, Sauces and Concentrates	Aerobic Microbial Count/Total Viable Count/ Total Plate Count/ Total Bacterial Count	IS 5402:2012 US FDA BAM, 8th Edition, Revision A, Chapter 3, Jan 2001	≥ 10 CFU/g or ≥1 CFU/ml ≥ 10 CFU/g or ≥1 CFU/ml
		Coliform Count	IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU /g or ≥ 1 CFU/ml <0.3 to 1.1x10 ⁶ MPN index/g or ml ≥ 10 CFU/ g or ≥ 1 CFU/ml
		Yeast and Mould Count/Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001	<3 to 1.1x10 ⁶ MPN index/g or ml ≥ 10 CFU/g or ≥ 1 CFU/ml ≥ 10 CFU/g or ≥ 1 CFU/ml
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g or 25ml

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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
	Jams, Juices, Sauces and Concentrates	Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013	≥10CFU /g or ≥ 1 CFU / ml 0.3 to 1.1x10 ⁶ MPN index/g or ml <3 to 1.1x10 ⁶ MPN index/g or ml
		Detection of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001	Present or Absent / 25 g or 25ml
		Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001	≥ 10 CFU /g or ≥ 1 CFU /ml
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU /g or ≥ 1 CFU/ml
		Detection of Faecal Streptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g or 25 ml
		Enumeration of Faecal Streptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g or ≥ 1 CFU/ml
		Detection of Shigella spp.	IS 5887(Part 7) :1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 6, Jan 2001	Present or Absent / 25 g or 25ml
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g or ≥ 1 CFU/ml

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	Jams, Juices, Sauces and Concentrates	Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 5, May 2014	Present or Absent / 25 g or 25 ml
		Detection of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent/25 g or 25 ml
		Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1 Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A, Chapter 12, Jan 2001	≥ 10 CFU /g or ≥ 1 CFU /ml
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May, 2004	Present or Absent /25 g or 25 ml
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May, 2004	Present or Absent/ 25 g or 25 ml
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993, (RA 2009)	≥ 10 CFU /g or ≥ 1 CFU/ml
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition, Revision A, Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25 g or 25 ml
		Enumeration of Bacillus cereus	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g or ≥ 1 CFU /ml

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8.	Jams, Juices, Sauces and Concentrates	Flat sour organisms	Compendium of methods for the microbiological examination of foods, APHA, 4 th Edition, Chapter 24, Page No.239 WI/SAP-Micro/5/82	≥ 10 CFU/g or ≥ 1 CFU /ml
		Yeast and Spores	AOAC, 19 th Edition, 984.29, Page No.69	≥ 1 per 1/60 c.m.m.
	Nut and Nut Products	Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count	IS 5402:2012 US FDA BAM, 8 th Edition, Revision A, Chapter 3, Jan 2001	≥ 10 CFU/g or ≥ 1 CFU/ml ≥ 10 CFU/g or CFU/ml ≥ 1
		Coliform Count	IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006	≥ 10 CFU /g or ≥ 1 CFU/ml <0.3 to 1.1x10 ⁶ MPN index/g or ml
			US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU/ g or ≥ 1 CFU/ml
				<3 to 1.1x10 ⁶ MPN index/g or ml
		Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001	≥ 10 CFU/g or CFU/ml ≥ 1 ≥ 10 CFU/g or ≥ 1 CFU/ml

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	Nut and Nut Products	Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g or 25ml
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009)	≥ 10 CFU /g or ≥ 1 CFU / ml
			US FDA BAM, 8 th Edition,Revision A Chapter 4, Sept.2002, Updated Feb 2013	0.3 to 1.1x10 ⁶ MPN index/g or ml <3 to 1.1x10 ⁶ MPN index/g or ml
		Detection of Clostridiumperfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition ,Revision A, Chapter 16, Jan 2001	Present or Absent / 25 g or 25ml
		Enumeration of Clostridiumperfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition ,Revision A, Chapter 16, Jan 2001	≥ 10 CFU /g or ≥ 1 CFU /ml
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU /g or ≥ 1 CFU/ml
		Detection of FaecalStreptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g or 25 ml
		Enumeration of Faecal Streptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g or \geq 1CFU /ml
		Detection of Shigellaspp.	IS 5887(Part 7) :1999, (RA 2009) US FDA BAM,8 th Edition,Revision A, Chapter 6, Jan 2001	Present or Absent / 25 g or 25ml

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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
	Nut and Nut Products	Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g or ≥ 1 CFU /ml
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 5, May 2014	Present or Absent / 25 g or 25 ml
		Detection of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent/25 g or 25 ml
		Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No.1,Jan. 2010/ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition,Revision A, Chapter 12,Jan 2001 US FDA BAM, 8 th Edition,Revision A, Chapter 12,Jan. 2009	≥ 10 CFU /g or ≥ 1 CFU /ml
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May, 2004	Present or Absent /25 g or 25 ml
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May, 2004	Present or Absent/ 25 g or 25 ml
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993, (RA 2009)	≥ 10 CFU /g or ≥ 1 CFU/ml
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition, Revision A, Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25 g or 25 ml

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	Nut and Nut Products	Enumeration of Bacillus cereus	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g or ≥ 1 CFU / ml
		Total Aflatoxins	ELISA Method, SOP No.WI/SAP-Micro/5/74	≥1.7 ppb
9.	Cereals and Cereal Products Pulses and Pulse Products	Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count Coliform Count	IS 5402:2012 US FDA BAM, 8 th Edition, Revision A, Chapter 3, Jan 2001 IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU/g ≥ 10 CFU/g ≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g ≥ 10 CFU / g
		Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001	<3 to 1.1x10 ⁶ MPN index/g ≥ 10 CFU/g ≥ 10 CFU/g
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition ,Revision A, Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Cereals and Cereal Products Pulses and Pulse Products	Detection of Clostridiumperfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition ,Revision A, Chapter 16, Jan 2001	Present or Absent / 25 g
		Enumeration of Clostridiumperfringens	IS5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 16, Jan 2001	≥ 10 CFU /g
		Enumeration of Sulfite reducing bacteria	ISO 15213 : 2003	≥ 10 CFU /g
		Detection of FaecalStreptococci(Enteroco cci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g Present or Absent / 0.1 g
		Enumeration of FaecalStreptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 5, May 2014	Present or Absent / 25g
		Detection of Shigella spp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM,8 th Edition, Revision A,Chapter 6, Jan 2001	Present or Absent / 25g
		Detection of Staphylococcus aureus(Coagulase positive) Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM,8 th Edition , Revision A,Chapter 12,Jan 2001	Present or Absent /25g ≥ 10 CFU /g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Cereals and Cereal Products Pulses and Pulse Products	Detection of <i>Vibrio cholerae</i>	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May, 2004	Present or Absent/ 25g
		Detection of <i>Vibrio</i> <i>parahaemolyticus</i>	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May, 2004	Present or Absent/ 25g
		Enumeration of <i>Enterobacteriaceae</i>	IS/ISO 7402 :1993, (RA 2009)	≥ 10 CFU /g
		Detection of <i>Listeria</i> <i>monocytogenes</i>	US FDA BAM, 8 th Edition, Revision A, Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25 g
		Enumeration of <i>Bacillus</i> <i>cereus</i>	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g
		Total Aflatoxin	ELISA Method, SOP No.WI/SAP- Micro/5/74	≥1.7 ppb
10.	Bakery Products	Aerobic Microbial Count/Total Viable	IS 5402:2012	≥ 10 CFU/g
		Count/Total Plate	US FDA BAM, 8 th Edition, Revision A, Chapter 3, Jan 2001	≥ 10 CFU/g
		Count/Total Bacterial Count		

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	Bakery Products	Coliform Count	IS 5401 (Part 1):2002, (RA 2007/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU /g <0.3 to 1.1×10^6 MPN index/g ≥ 10 CFU / g <3 to 1.1×10^6 MPN index/g
		Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001	≥ 10 CFU/g ≥ 10 CFU/g
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU /g 0.3 to 1.1×10^6 MPN index/g <3 to 1.1×10^6 MPN index/g
		Detection of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001	Present or Absent / 25 g
		Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001	≥ 10 CFU /g

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	Bakery Products	Enumeration of Sulfite reducing bacteria	ISO 15213 : 2003	≥ 10 CFU /g
		Detection of FaecalStreptococci(Enteroco cci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 gPresent or Absent / 0.1 g
		Enumeration of FaecalStreptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM,8 th Edition ,Revision A, Chapter 5, May 2014	Present or Absent / 25g
		Detection of Shigella spp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM,8 th Edition,Revision A, Chapter 6, Jan 2001	Present or Absent / 25g
		Detection of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent /25g
		Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM,8 th Edition, Revision A, Chapter 12,Jan 2001	≥ 10 CFU /g
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004	Present or Absent/ 25g

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	Bakery Products	Detection of <i>Vibrio parahaemolyticus</i>	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM,8 th Edition, Revision A,Chapter 9, May, 2004	Present or Absent/ 25g
		Enumeration of <i>Enterobacteriaceae</i>	IS/ISO 7402 :1993, (RA 2009)	≥ 10 CFU /g
		Detection of <i>Listeria monocytogenes</i>	US FDA BAM, 8 th Edition,Revision A, Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25 g
		Enumeration of <i>Bacillus cereus</i>	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g
11.	Starch and Starch Products	Aerobic Microbial Count/Total Viable Count/ Total Plate Count/ Total Bacterial Count	IS 5402:2012 US FDA BAM,8 th Edition, Revision A, Chapter 3, Jan 2001	≥ 10 CFU/g ≥ 10 CFU/g
		Coliform Count	IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition,Revision A, Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g ≥ 10 CFU / g <3 to 1.1x10 ⁶ MPN index/g
		Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM,8 th Edition, Revision A, Chapter 18, April 2001	≥ 10 CFU/g ≥ 10 CFU/g

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	Starch and Starch Products	Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition,RevisionA,Chapter 4, Sept.2002,Updated Feb 2013	≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g
		Detection of Clostridiumperfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 16, Jan 2001	Present or Absent / 25 g
		Enumeration of Clostridiumperfringens	IS5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001	≥ 10 CFU /g
		Enumeration of Sulfite reducing bacteria	ISO 15213 : 2003	≥ 10 CFU /g
		Detection of FaecalStreptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g Present or Absent / 0.1 g
		Enumeration of FaecalStreptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,RevisionA, Chapter 5, May 2014	Present or Absent / 25g

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	Starch and Starch Products	Detection of Shigella spp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM,8 th Edition,Revision A, Chapter 6, Jan 2001	Present or Absent / 25g
		Detection of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent /25g
		Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM,8 th Edition, Revision A, Chapter 12, Jan 2001	≥ 10 CFU /g
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May, 2004	Present or Absent/ 25g
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May, 2004	Present or Absent/ 25g
		Enumeration of Enterobacteriaceae	IS/ISO 7402 :1993, (RA 2009)	≥ 10 CFU /g
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition ,Revision A, Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25 g
		Enumeration of Bacillus cereus	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g

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12.	Meat and Meat Products	Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count	IS 5402:2012 US FDA BAM, 8 th Edition, Revision A, Chapter 3, Jan 2001	≥ 10 CFU/g ≥ 10 CFU/g
		Coliform Count	IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006	≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g
			US FDA BAM, 8 th Edition, Revision A ,Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU / g <3 to 1.1x10 ⁶ MPN index/g
		Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001	≥ 10 CFU/g ≥ 10 CFU/g
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g

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	Meat and Meat Products	Detection of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition , Revision A, Chapter 16, Jan 2001	Present or Absent / 25 g
		Enumeration of Clostridium perfringens	IS5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 16, Jan 2001	≥ 10 CFU /g
		Enumeration of Sulfite reducing bacteria	ISO 15213 : 2003	≥ 10 CFU /g
		Detection of FaecalStreptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g
		(Enterococci)		
		Enumeration of FaecalStreptococci(Enterococci)	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 5, May 2014	Present or Absent / 25g
		Detection of Shigella spp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 6, Jan 2001	Present or Absent / 25g

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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
	Meat and Meat Products	Detection of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g
		Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No.1,Jan 2010/ ISO 6888 -1:1999 US FDA BAM,8 th Edition, Revision A, Chapter 12,Jan 2001	≥ 10 CFU /g
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM,8 th Edition, Revision A, Chapter 9, May, 2004	Present or Absent / 25 g
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM,8 th Edition,RevisionA,Chapter 9, May, 2004	Present or Absent / 25 g
		Enumeration of Enterobacteriaceae	IS/ISO 7402 :1993, (RA 2009)	≥ 10 CFU /g
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition,RevisionA, Chapter 10, April 2011,Updated Feb 2013	Present or Absent / 25 g
		Enumeration of Bacillus cereus	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
13.	Poultry and Poultry Products	Aerobic Microbial Count/Total Viable Count /Total Plate Count /Total Bacterial Count	IS 5402:2012 US FDA BAM, 8 th Edition, Revision A, Chapter 3, Jan 2001	≥ 10 CFU/g ≥ 10 CFU/g
		Coliform Count	IS 5401 (Part 1):2002, (RA 2007) / ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006	≥ 10 CFU /g <0.3 to 1.1×10^6 MPN index/g
			US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU / g <3 to 1.1×10^6 MPN index/g
		Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001	≥ 10 CFU/g ≥ 10 CFU/g
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition , Revision A, Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU /g 0.3 to 1.1×10^6 MPN index/g <3 to 1.1×10^6 MPN index/g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Poultry and Poultry Products	Detection of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition,RevisionA, Chapter 16, Jan 2001	Present or Absent / 25 g
		Enumeration of Clostridium perfringens	IS5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition,RevisionA, Chapter 16, Jan 2001	≥ 10 CFU /g
		Enumeration of Sulfite reducing bacteria	ISO 15213 : 2003	≥ 10 CFU /g
		Detection of FaecalStreptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g
		Enumeration of FaecalStreptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,RevisionA, Chapter 5, May 2014	Present or Absent / 25g
		Detection of Shigella spp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition,RevisionA, Chapter 6, Jan 2001	Present or Absent / 25g
		Detection of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Poultry and Poultry Products	Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition,RevisionA, Chapter 12,Jan 2001	≥ 10 CFU /g
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004	Present or Absent / 25 g
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004	Present or Absent / 25 g
		Enumeration of Enterobacteriaceae	IS/ISO 7402 :1993, (RA 2009)	≥ 10 CFU/g
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition, Revision A, Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25 g
		Enumeration of Bacillus cereus	IS 5887(Part 6):2012, ISO 7932:2004	≥10 CFU/g
14.	Fish and Fish Products, Sea Foods	Aerobic Microbial Count /Total Viable Count /Total Plate Count/ Total Bacterial Count	IS 5402:2012 US FDA BAM, 8 th Edition, Revision A, Chapter 3, Jan 2001	≥10 CFU/g ≥ 10 CFU/g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fish and Fish Products, Sea Foods	Coliform Count	IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept. 2002, Updated Feb 2013	≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g ≥ 10 CFU/g <3 to 1.1x10 ⁶ MPN index/g
		Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001	≥ 10 CFU/g ≥ 10 CFU/g
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM , 8 th Edition , Revision A, Chapter 4, Sept. 2002, Updated Feb 2013	≥ 10 CFU/g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g
		Detection of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001	Present or Absent / 25 g
		Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001	≥ 10 CFU /g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fish and Fish Products, Sea Foods	Enumeration of Sulfite reducing bacteria	ISO 15213 : 2003	≥ 10 CFU /g
		Detection of FaecalStreptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g
		Enumeration of FaecalStreptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 5, May 2014	Present or Absent / 25 g
		Detection of Shigella spp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 6, Jan 2001	Present or Absent / 25g
		Detection of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g
		Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A, Chapter 12,Jan 2001	≥ 10 CFU /g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
15.	Fish and Fish Products, Sea Foods	Detection of <i>Vibrio cholerae</i>	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004	Present or Absent / 25 g
		Detection of <i>Vibrio</i> <i>parahaemolyticus</i>	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004	Present or Absent /25 g
		Enumeration of Enterobacteriaceae	IS/ISO 7402 :1993, (RA 2009)	≥ 10 CFU /g
		Detection of <i>Listeria</i> <i>monocytogenes</i>	US FDA BAM, 8 th Edition,RevisionA, Chapter 10, April 2011,Updated Feb 2013	Present or Absent / 25 g
	Sweets and Confectionery Products	Enumeration of <i>Bacillus</i> <i>cereus</i>	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g
		Aerobic Microbial Count/Total Viable Count	IS 5402:2012	≥ 10 CFU /g
		/Total Plate Count/Total Bacterial Count	US FDA BAM,8th Edition, Revision A, Chapter 3, Jan 2001	≥ 10 CFU /g
		Coliform Count	IS 5401 (Part 1):2002, (RA 2007)/ISO 4832 : 1991	≥ 10 CFU /g
			IS 5401 (Part 2):2012 / ISO 4831:2006	<0.3 to 1.1x10 ⁶ MPN index/g
			US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU / g <3 to 1.1x10 ⁶ MPN index/g

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	Sweets and Confectionery Products	Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001	≥ 10CFU /g ≥ 10 CFU /g
		Detection of Escherichia coli(Thermotolerant bacteria) (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009)	≥ 10 CFU /g
			US FDA BAM , 8 th Edition, Revision A Chapter 4,Sept.2002, Updated Feb 2013	0.3 to 1.1x10 ⁶ MPN index/g index /g <3 to 1.1x10 ⁶ MPN index/g
		Detection of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	Present or Absent / 25 g
		Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	≥ 10 CFU /g
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU /g
		Detection of FaecalStreptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g
		Enumeration of FaecalStreptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU /g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Sweets and Confectionery Products	Enumeration of <i>Pseudomonas aeruginosa</i>	IS 14843:2000 , (RA 2009)/ ISO 13720:1995	≥ 10 CFU /g
		Detection of <i>Salmonella</i> spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014	Present or Absent / 25 g
		Detection of <i>Shigella</i> spp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 6, Jan 2001	Present or Absent / 25 g
		Detection of <i>Staphylococcus aureus</i> (Coagulase positive)	IS 5887 (Part II):1976 (RA 2009)	Present or Absent / 25 g
		Enumeration of <i>Staphylococcus aureus</i> (Coagulase positive)	IS 5887 (Part II):1976 (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM,8 th Edition, Revision A, Chapter 12, Jan 2001	≥ 10 CFU/g
		Detection of <i>Vibrio cholerae</i>	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004	Present or Absent / 25 g
		Detection of <i>Vibrio</i> <i>parahaemolyticus</i>	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004	Present or Absent / 25 g
		Enumeration of <i>Enterobacteriaceae</i>	IS/ISO 7402: 1993, (RA 2009)	≥ 10 CFU /g
		Detection of <i>Listeria</i> <i>monocytogenes</i>	US FDA BAM, 8 th Edition, Revision A, Chapter 10, April 2011,Updated Feb 2013	Present or Absent / 25 g

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	Sweets and Confectionery Products	Enumeration of <i>Bacillus cereus</i>	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g
16.	Honey and Honey Products	Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count	IS 5402:2012 US FDA BAM, 8 th Edition, Revision A, Chapter 3, Jan 2001	≥ 10 CFU/g
		Yeast & Mould Count	IS 5403:1999, (RA 2009 US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001	≥ 10 CFU/g ≥ 10 CFU/g
		Coliform Count	IS 5401 (Part 1):2002 , (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU/g <0.3 to 1.1x10 ⁶ MPN index/g ≥ 10 CFU/ g <3 to 1.1x10 ⁶ MPN index/g
		Detection of <i>Escherichia coli</i> (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of <i>Escherichia coli</i>	IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition,Revision A, Chapter 4,Sept.2002, Updated Feb 2013	≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g

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	Honey and Honey Products	Detection of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001	Present or Absent / 25 g
		Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001	≥ 10 CFU /g
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU /g
		Detection of FaecalStreptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g
		Enumeration of FaecalStreptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU /g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009)/ ISO 13720:1995	≥ 10 CFU /g
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014	Present or Absent / 25 g
		Detection of Shigella spp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 6, Jan 2001	Present or Absent / 25 g
		Detection of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976 (RA 2009)	Present or Absent / 25 g

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	Honey and Honey Products	Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976 (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A, Chapter 12, Jan 2001	≥ 10 CFU /g
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004	Present or Absent / 25 g
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004	Present or Absent / 25 g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993, (RA 2009)	≥ 10 CFU /g
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition, Revision A, Chapter 10, April 2011,Updated Feb 2013	Present or Absent / 25 g
		Enumeration of Bacillus cereus	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g
17.	Sugar and Sugar Products	Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count	IS 5402:2012 US FDA BAM, 8 th Edition, Revision A, Chapter 3, Jan 2001	≥ 10 CFU/g
		Yeast &Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 18,April 2001	≥ 10 CFU/g ≥ 10 CFU/g

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	Sugar and Sugar Products	Coliform Count	IS 5401 (Part 1):2002 , (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A Chapter 4,Sept.2002,Updated Feb 2013	≥ 10 CFU/g <0.3 to 1.1×10^6 MPN index/g ≥ 10 CFU/ g <3 to 1.1×10^6 MPN index/g
		Detection of Escherichia coli(Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 4,Sept.2002,Updated Feb 2013	≥ 10 CFU /g 0.3 to 1.1×10^6 MPN index/g <3 to 1.1×10^6 MPN index/g
		Detection of perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	Present or Absent / 25 g
		Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	≥ 10 CFU /g
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU /g

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	Sugar and Sugar Products	Detection of FaecalStreptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g
		Enumeration of FaecalStreptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU /g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009)/ ISO 13720:1995	≥ 10 CFU /g
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,RevisionA, Chapter 5, May 2014	Present or Absent / 25 g
		Detection of Shigellaspp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 6, Jan 2001	Present or Absent / 25 g
		Detection of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g
		Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No.1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A Chapter 12,Jan 2001	≥ 10 CFU /g
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004	Present or Absent / 25 g

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18.	Sugar and Sugar Products	Detection of <i>Vibrio</i> parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004	Present or Absent / 25 g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993, (RA 2009)	≥ 10 CFU /g
	Herbs, Spices, Condiments and Related Products	Detection of <i>Listeria monocytogenes</i>	US FDA BAM, 8 th Edition , Revision A Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25 g
		Enumeration of <i>Bacillus cereus</i>	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g
		Aerobic Microbial Count/Total Viable Count	IS 5402:2012	≥ 10 CFU/g
		/Total Plate Count /Total Bacterial Count	US FDA BAM, Jan 2001, 8 th Edition, Revision A, Chapter 3	≥ 10 CFU/g
		Coliform Count	IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006	≥10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g
		Yeast and Mould Count	US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU/ g <3 to 1.1x10 ⁶ MPN index/g
			IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001	≥ 10CFU/g ≥ 10 CFU/g

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	Herbs, Spices, Condiments and Related Products	Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I): 1976, (RA 2009)	≥ 10 CFU /g
			US FDA BAM ,8 th Edition, Revision A Chapter 4,Sept.2002,Updated Feb 2013	0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g
		Detection of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	Present or Absent / 25 g
		Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	≥ 10 CFU /g
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU /g
		Detection of Faecal Streptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Faecal Streptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014	Present or Absent / 25g

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	Herbs, Spices, Condiments and Related Products	Detection of Shigella spp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Jan 2001, Chapter 6	Present or Absent / 25 g
		Detection of Staphylococcus aureus (Coagulase positive)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g
		Enumeration of Staphylococcus aureus (Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010 / ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A Chapter 12, Jan 2001	≥ 10 CFU/g
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004	Present or Absent / 25 g
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004	Present or Absent / 25 g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993, (RA 2001)	≥ 10 CFU /g
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition, Revision A Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25 g
		Enumeration of Bacillus cereus	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g

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19.	Edible Salt	Aerobic Microbial Count/Total Viable Count /Total Plate Count /Total Bacterial Count	IS 5402:2012 US FDA BAM, 8th Edition, Revision A Chapter 3, Jan 2001	≥ 10 CFU/g ≥ 10 CFU/g
		Coliform Count	IS 5401 (Part 1):2002, (RA 2007) / ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006	≥ 10 CFU /g <0.3 to 1.1×10^6 MPN index/g
			US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU/ g <3 to 1.1×10^6 MPN index/g
		Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001	≥ 10 CFU/g ≥ 10 CFU/g
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I): 1976, (RA 2009) US FDA BAM,8 th Edition,RevisionA,Chapter 4, Sept.2002,Updated Feb 2013	≥ 10 CFU /g 0.3 to 1.1×10^6 MPN index/g <3 to 1.1×10^6 MPN index/g

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	Edible Salt	Detection of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16	Present or Absent / 25 g
		Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	≥ 10 CFU /g
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU /g
		Detection of Faecal Streptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Faecal Streptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g
		Detection of Salmonella spp.	IS 5887 (Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014	Present or Absent / 25g
		Detection of Shigella spp.	IS 5887 (Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 6, Jan 2001	Present or Absent / 25 g
		Detection of Staphylococcus aureus (Coagulase positive)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25 g

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	Edible Salt	Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010 / ISO 6888 -1 : 1999 US FDA BAM,8 th Edition, Revision A Chapter 12,Jan 2001	≥ 10 CFU/g
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004	Present or Absent / 25 g
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004	Present or Absent / 25 g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993, (RA 2001	≥ 10 CFU/g
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition,RevisionA Chapter 10, April 2011,Updated Feb 2013	Present or Absent / 25 g
		Enumeration of Bacillus cereus	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g
20.	Beverages Alcoholic and Non Alcoholic, Carbonated & Non-carbonated	Aerobic Microbial Count/Total Viable Count /Total Plate Count /Total Bacterial Count	IS 5402:2012 US FDA BAM, Jan 2001, 8 th Edition, Revision A, Chapter 3	≥ 1 CFU/ml ≥ 1 CFU/ ml

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	Beverages Alcoholic and Non Alcoholic, Carbonated & Non-carbonated	Coliforms	IS 3752:2005 ,(RA 2009)	<0.3 to 1.1x10 ⁶ MPN index/100 ml
			IS 5401 (Part 1):2002, (RA 2007)/ ISO 4831 : 1991	≥ 1 CFU /ml Present or Absent/250 ml or 25 ml
			IS 5401 (Part 2):2012 / ISO 4831:2006	≥ 0.3 to ≥10 ⁶ MPN index / ml
			US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002,Updated Feb 2013	≥ 1 CFU/ml <3 to 1.1x10 ⁶ MPN index / ml
		Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM,8 th Edition,RevisionA Chapter 18, April 2001	≥ 1 CFU/ml > 1 CFU/ml
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent /250ml or 25ml Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition, Revision A Chapter 4,Sept.2002, Updated Feb 2013	≥ 1 CFU/ml 0.3 to 1.1x10 ⁶ MPN index / ml <3 to 1.1x10 ⁶ MPN index / ml
		Detection of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition,RevisionA Chapter 16, Jan 2001	Present or Absent /250ml or 25ml

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	Beverages Alcoholic and Non Alcoholic, Carbonated & Non-carbonated	Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	≥ 1 CFU / ml
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 1 CFU / ml
		Detection of FaecalStreptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 250ml or 25 ml
		Enumeration of FaecalStreptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 1 CFU / ml
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000 , (RA 2009)	≥ 1 CFU / ml
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,RevisionA Chapter 5, May 2014	Present or Absent /250ml or 25ml
		Detection of Shigellaspp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM,8 th Edition, Revision A Chapter 6, Jan 2001	Present or Absent /250ml or 25ml
		Detection of Staphylococcus aureus(Coagulase positive)	IS 5887(Part II):1976, (RA 2009)	Present or Absent / 250 ml or 25ml

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	Beverages Alcoholic and Non Alcoholic, Carbonated & Non-carbonated	Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887(Part II): 1976, (RA 2009) IS 5887 (Part 8/Sec1):2002, Amendment No. 1 Jan. 2010/ ISO 6888-1:1999 US FDA BAM,8 th Edition,RevisionA, Chapter 12,Jan 2001	≥ 1 CFU / ml
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,RevisionA Chapter 9, May, 2004	Present or Absent /250ml or 25ml
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition,RevisionA Chapter 9, May, 2004	Present or Absent/250 ml or 25 ml
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993, (RA 2009)	≥ 1 CFU / ml
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition,Revision A Chapter 10, April 2011, Updated Feb 2013	Present or Absent/250 ml or 25 ml
		Enumeration of Bacillus cereus	IS 5887(Part 6):2012, ISO 7932:2004	≥ 1 CFU / ml
21.	Tea & Tea Products	Aerobic Microbial Count /Total Viable Count /Total Plate Count /Total Bacterial Count	IS 5402:2012	≥ 10 CFU/g
			US FDA BAM, 8 th Edition, Revision A Chapter 3, Jan 2001	≥ 10 CFU/g

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	Tea & Tea Products	Coliforms	IS 5401 (Part 1):2002, (RA 2007/ISO 4831 : 1991	≥ 10 CFU /g Present or Absent/25g
			IS 5401 (Part 2):2012 / ISO 4831:2006	<0.3 to 1.1x10 ⁶ MPN index/g
			US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU /g <3 to 1.1x10 ⁶ MPN index/g MPN index/g
		Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001	≥ 10 CFU /g ≥ 10 CFU /g
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM , 8 th Edition, Revision A Chapter 4	≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g

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	Tea & Tea Products	Detection of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	Present or Absent / 25g
		Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	≥ 10 CFU /g
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU /g
		Detection of FaecalStreptococci(Enteroco cci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / or 25 g
		Enumeration of FaecalStreptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU /g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009)	≥ 10 CFU /g
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014	Present or Absent / 25g
		Detection of Shigellaspp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 6, Jan 2001	Present or Absent / 25g
		Detection of Staphylococcus aureus(Coagulase positive)	IS 5887(Part II):1976, (RA 2009)	Present or Absent / 25g

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	Tea & Tea Products	Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887(Part II): 1976, (RA 2009) IS 5887 (Part 8/Sec1):2002, Amendment No. 1 Jan. 2010/ ISO 6888-1:1999 US FDA BAM,8 th Edition, Revision A Chapter 12, Jan 2001	≥ 10 CFU /g
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,RevisionA Chapter 9, May, 2004	Present or Absent / 25g
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004	Present or Absent / 25g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993, (RA 2009)	≥ 10 CFU /g
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition, Revision A Chapter 10, April 2011,Updated Feb 2013	Present or Absent / 25g
		Enumeration of Bacillus cereus	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU /g
22.	Coffee, Chicory and Cocoa	Aerobic Microbial Count/Total Viable Count /Total Plate Count /Total Bacterial Count	IS 5402:2012 US FDA BAM, 8 th Edition, Revision A Chapter 3, Jan 2001	≥ 10 CFU/g ≥ 10 CFU/g

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	Coffee, Chicory and Cocoa	Coliforms	IS 5401 (Part 1):2002, (RA 2007)/ISO 4831 : 1991	≥ 10 CFU /g Present or Absent/25g
			IS 5401 (Part 2):2012 / ISO 4831:2006	<0.3 to 1.1x10 ⁶ MPN index/g
			US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU /g <3 to 1.1x10 ⁶ MPN index/g
		Yeast and Mould Count	IS 5403:1999, (RA 2009)	≥ 10 CFU /g
			US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001	≥ 10 CFU /g
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009)	≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g
			US FDA BAM ,8 th Edition, Revision A Chapter 4,Sept.2002, Updated Feb 2013	<3 to 1.1x10 ⁶ MPN index/g
		Detection of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	Present or Absent / 25g
		Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	≥ 10 CFU /g

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	Coffee, Chicory and Cocoa	Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU /g
		Detection of FaecalStreptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of FaecalStreptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU /g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009)	≥ 10 CFU /g
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014	Present or Absent / 25g
		Detection of Shigellaspp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 6, Jan 2001	Present or Absent / 25g
		Detection of Staphylococcus aureus(Coagulase positive)	IS 5887(Part II):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887(Part II): 1976, (RA 2009) IS 5887 (Part 8/Sec1):2002, Amendment No. 1 Jan. 2010/ ISO 6888-1:1999 US FDA BAM, 8 th Edition, Revision A Chapter 12, Jan 2001	≥ 10 CFU /g

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23.	Coffee, Chicory and Cocoa	Detection of <i>Vibrio cholerae</i>	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004	Present or Absent / 25g
		Detection of <i>Vibrio</i> <i>parahaemolyticus</i>	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004	Present or Absent / 25g
		Enumeration of <i>Enterobacteriaceae</i>	IS/ISO 7402: 1993, (RA 2009)	≥ 10 CFU /g
		Detection of <i>Listeria</i> <i>monocytogenes</i>	US FDA BAM, 8 th Edition,Revision A Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25g
		Enumeration of <i>Bacillus</i> <i>cereus</i>	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU /g
	Egg and Egg Products	Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count	IS 5402:2012 US FDA BAM, 8 th Edition, Revision A Chapter 3, Jan 2001	≥ 10 CFU/g ≥ 10 CFU/g
		Coliform Count	IS 5401 (Part 1):2002 , (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006	≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g
			US FDA BAM, 8 th Edition,RevisionA Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU/ g <3 to 1.1x10 ⁶ MPN index/g

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	Egg and Egg Products	Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001	≥ 10CFU/g ≥ 10 CFU/g
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition, Revision A Chapter 4,Sept.2002,Updated Feb 2013	≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g
		Detection of Clostridium perfringens	IS 5887 (Part 4) :1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	Present or Absent / 25 g
		Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	≥ 10 CFU /g
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU /g
		Detection of Faecal Streptococci(Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Faecal Streptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009)/ ISO 13720:1995	≥ 10 CFU/g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Egg and Egg Products	Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014	Present or Absent / 25g
		Detection of Shigella spp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 6, Jan 2001	Present or Absent / 25g
		Detection of Staphylococcus aureus (Coagulase positive)	IS 5887 (Part II):1976 , (RA 2009)	Present or Absent / 25g
		Enumeration of Staphylococcus aureus (Coagulase positive)	IS 5887 (Part II):1976 , (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A Chapter 12, Jan 2001	≥ 10 CFU/g
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004	Present or Absent / 25 g
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V):1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004	Present or Absent / 25 g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993,(RA 2001	≥ 10 CFU /g
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition, Revision A, April 2011, Updated Feb 2013 Chapter 10	Present or Absent / 25 g
		Enumeration of Bacillus cereus	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
24.	Nutritional Supplements, Vita min and Mineral Premixes, Health F oods, Probiotic Foods	Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count	IS 5402:2012 US FDA BAM, 8th Edition, Revision A Chapter 3, Jan 2001	≥ 10 CFU/g ≥ 10 CFU/g
		Coliform Count	IS 5401 (Part 1):2002 , (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006	≥ 10 CFU /g <0.3 to 1.1×10^6 MPN index/g
			US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU/ g <3 to 1.1×10^6 MPN index/g
		Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001	≥ 10 CFU/g ≥ 10 CFU/g
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM , 8 th Edition , Revision A Chapter 4, Sept 2002, Updated 2013	≥ 10 CFU /g 0.3 to 1.1×10^6 MPN index/g <3 to 1.1×10^6 MPN index/g

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	Nutritional Supplements, Vita min and Mineral Premixes, Health Foods, Probiotic Foods	Detection of Clostridium perfringens	IS 5887 (Part 4) :1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	Present or Absent / 25 g
		Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	≥ 10 CFU /g
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU /g
		Detection of Faecal Streptococci(Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of FaecalStreptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014	Present or Absent / 25g
		Detection of Shigellaspp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 6, Jan 2001	Present or Absent / 25g
		Detection of Staphylococcus aureus (Coagulase positive)	IS 5887 (Part II):1976 , (RA 2009)	Present or Absent / 25g

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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
	Nutritional Supplements,Vita min and Mineral Premixes,HealthF oods,Probiotic Foods	Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976 , (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A, Chapter 12,Jan 2001	≥ 10 CFU/g
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004	Present or Absent / 25 g
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004	Present or Absent / 25 g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993,(RA 2001	≥ 10 CFU /g
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition, Revision A Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25 g
		Enumeration of Bacillus cereus	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g
25.	Convenience Foods, Cooked Foods,PrecookedF oods,Ready to Eat Variants	Aerobic Microbial Count/Total Viable Count	IS 5402:2012 US FDA BAM, 8 th Edition, Revision A	≥ 10 CFU/g ≥ 10 CFU/g
		/Total Plate Count/Total Bacterial Count	Chapter 3, Jan 2001	

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	Convenience Foods, Cooked Foods, Precooked Foods, Ready to Eat Variants	Coliform Count	IS 5401 (Part 1):2002 , (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU /g <0.3 to 1.1×10^6 MPN index/g ≥ 10 CFU/ g <3 to 1.1×10^6 MPN index/g
		Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Sept.2002, Updated Feb 2013, Revision A Chapter 18, April 2001	≥ 10 CFU/g ≥ 10 CFU/g 3 to 2.3×10^6 MPN index/g
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU /g 0.3 to 1.1×10^6 MPN index/g <3 to 1.1×10^6 MPN index/g
		Detection of Clostridium perfringens	IS 5887 (Part 4) :1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	Present or Absent / 25 g

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	Convenience Foods, Cooked Foods, Precooked Foods, Ready to Eat Variants	Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	≥ 10 CFU /g
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU /g
		Detection of Faecal Streptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Faecal Streptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g
		Detection of Salmonella spp.	IS 5887 (Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014	Present or Absent / 25g
		Detection of Shigella spp.	IS 5887 (Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 6, Jan 2001	Present or Absent / 25g
		Detection of Staphylococcus aureus (Coagulase positive)	IS 5887 (Part II):1976 , (RA 2009)	Present or Absent / 25g

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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
	Convenience Foods, Cooked Foods, Precooked Foods, Ready to Eat Variants	Enumeration of Staphylococcus aureus (Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887 (Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A Chapter 12, Jan 2001	≥ 10 CFU/g
		Detection of Vibrio cholerae	IS 5887 (Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004	Present or Absent / 25 g
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004	Present or Absent / 25 g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993, (RA 2001)	≥ 10 CFU /g
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition, Revision A Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25 g
		Enumeration of Bacillus cereus	IS 5887 (Part 6):2012, ISO 7932:2004	≥ 10 CFU/g
26.	Pet Food	Aerobic Microbial Count /Total Viable Count /Total Plate Count /Total Bacterial Count	IS 5402:2012 US FDA BAM, 8 th Edition, Revision A Chapter 3, Jan 2001	≥ 10 CFU/g ≥ 10 CFU/g

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	Pet Food	Coliform Count	IS 5401 (Part 1):2002 , (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002,Updated Feb 2013	≥ 10 CFU /g <0.3 to 1.1×10^6 MPN index/g ≥ 10 CFU/ g <3 to 1.1×10^6 MPN index/g
		Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM,8 th Edition, Revision A Chapter 18, April 2001	≥ 10 CFU/g ≥ 10 CFU/g
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition, Revision A Chapter 4,Sept.2002,Updated Feb 2013	≥ 10 CFU /g 0.3 to 1.1×10^6 MPN index/g <3 to 1.1×10^6 MPN index/g
		Detection of Clostridium perfringens	IS 5887 (Part 4) :1976, (RA 2009) US FDA BAM,8 th Edition, Revision A, Chapter 16, Jan 2001	Present or Absent / 25 g
		Enumeration of Clostridiumperfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM,8 th Edition, Revision A, Chapter 16, Jan 2001	≥ 10 CFU /g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Pet Food	Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU /g
		Detection of Faecal Streptococci (Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of FaecalStreptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014	Present or Absent / 25g
		Detection of Shigellaspp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM,8 th Edition, Revision A Chapter 6, Jan 2001	Present or Absent / 25g
		Detection of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A, Chapter 12, Jan 2001	≥ 10 CFU/g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Pet Food	Detection of <i>Vibrio cholerae</i>	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004	Present or Absent / 25 g
		Detection of <i>Vibrio parahaemolyticus</i>	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004	Present or Absent / 25 g
		Enumeration of <i>Enterobacteriaceae</i>	IS/ISO 7402: 1993 ,(RA 2001	≥ 10 CFU /g
		Detection of <i>Listeria monocytogenes</i>	US FDA BAM, 8 th Edition, Revision A Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25 g
		Enumeration of <i>Bacillus cereus</i>	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g
27.	Animal Feeds	Aerobic Microbial Count/Total Viable Count /Total Plate Count /Total Bacterial Count	IS 5402:2012 US FDA BAM, Jan 2001, 8 th Edition, Revision A, Chapter 3	≥ 10 CFU/g ≥ 10 CFU/g
		Coliform Count	IS 5401 (Part 1):2002 ,(RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013	≥ 10 CFU/g <0.3 to 1.1x10 ⁶ MPN index/g ≥ 10 CFU/g <3 to 1.1x10 ⁶ MPN index/g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Animal Feeds	Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001	≥ 10 CFU/g ≥ 10 CFU/g
		Detection of Escherichia coli (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition , Revision A Chapter 4,Sept.2002,Updated Feb 2013	≥ 10 CFU/g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g
		Detection of Clostridium perfringens	IS 5887 (Part 4) :1976, (RA 2009) US FDA BAM,8 th Edition,RevisionA Chapter 16, Jan 2001	Present or Absent / 25 g
		Enumeration of Clostridiumperfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM,8 th Edition,Revision A Chapter 16, Jan 2001	≥ 10 CFU /g
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU /g
		Detection of Faecal Streptococci(Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of FaecalStreptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Animal Feeds	Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014	Present or Absent / 25g
		Detection of Shigellaspp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 6, Jan 2001	Present or Absent / 25g
		Detection of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976 , (RA 2009)	Present or Absent / 25g
		Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976,(RA 2009)IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1:1999 US FDA BAM, 8 th Edition, Revision A Chapter 12, Jan 2001	≥ 10 CFU/g
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004	Present or Absent / 25 g
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V):1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004	Present or Absent / 25 g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 ,(RA 2001	≥ 10 CFU/g

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28.	Animal Feeds	Detection of <i>Listeria monocytogenes</i>	US FDA BAM, 8 th Edition, Revision A Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25 g
		Enumeration of <i>Bacillus cereus</i>	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g
	Snacks and Instant Mixes	Aerobic Microbial Count/Total Viable Count /Total Plate Count /Total Bacterial Count	IS 5402:2012	≥ 10 CFU/g
			US FDA BAM, 8th Edition, Revision A Chapter 3, Jan 2001	≥ 10 CFU/g
		Coliform Count	IS 5401 (Part 1):2002 , (RA 2007)/ ISO 4832 : 1991	≥ 10 CFU /g
			IS 5401 (Part 2):2012 / ISO 4831:2006	<0.3 to 1.1x10 ⁶ MPN index/g
			US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002,Updated Feb 2013	≥ 10 CFU/ g <3 to 1.1x10 ⁶ MPN index/g
		Yeast and Mould Count	IS 5403:1999, (RA 2009) US FDA BAM,8 th Edition, Revision A Chapter 18, April 2001	≥ 10CFU/g ≥ 10 CFU/g
		Detection of <i>Escherichia coli</i> (Thermotolerant bacteria)	IS 5887(Part I):1976, (RA 2009)	Present or Absent / 25g

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	Snacks and Instant Mixes	Enumeration of Escherichia coli	IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition, Revision A Chapter 4,Sept.2002,Updated Feb 2013	≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g
		Detection of Clostridium perfringens	IS 5887 (Part 4) :1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001	Present or Absent / 25 g
		Enumeration of Clostridium perfringens	IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001	≥ 10 CFU /g
		Enumeration of Sulfite reducing bacteria	ISO 15213: 2003	≥ 10 CFU /g
		Detection of Faecal Streptococci(Enterococci)	IS 5887 (Part II):1976, (RA 2009)	Present or Absent / 25g
		Enumeration of Faecal Streptococci	IS 5887 (Part II):1976, (RA 2009)	≥ 10 CFU/g
		Enumeration of Pseudomonas aeruginosa	IS 14843:2000, (RA 2009) / ISO 13720:1995	≥ 10 CFU/g
		Detection of Salmonella spp.	IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014	Present or Absent / 25g
		Detection of Shigella spp.	IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 6, Jan 2001	Present or Absent / 25g

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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	Detection of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976 , (RA 2009)	Present or Absent / 25g
		Enumeration of Staphylococcus aureus(Coagulase positive)	IS 5887 (Part II):1976 , (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A Chapter 12,Jan 2001	≥ 10 CFU/g
		Detection of Vibrio cholerae	IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004	Present or Absent / 25 g
		Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004	Present or Absent / 25 g
		Enumeration of Enterobacteriaceae	IS/ISO 7402: 1993 ,(RA 2001	≥ 10 CFU /g
		Detection of Listeria monocytogenes	US FDA BAM, 8 th Edition , Revision A Chapter 10, April 2011, Updated Feb 2013	Present or Absent / 25 g
		Enumeration of Bacillus cereus	IS 5887(Part 6):2012, ISO 7932:2004	≥ 10 CFU/g

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Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	02.12.2014
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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
29.	Herbal/Medicinal Plants	Total Viable Count	Quality Control Methods for Medicinal Plant Materials, WHO 1998	≥ 10 CFU/g or ≥ 1 CFU/ ml
		Yeast and Mould Count	Quality Control Methods for Medicinal Plant Materials, WHO 1998 WHO 1998	≥ 10 CFU/g or ≥ 1 CFU/ ml
		Enterobacteriaceae and other Gram-Negative bacteria	Quality Control Methods for Medicinal Plant Materials, WHO 1998 WHO 1998	≥ 10 CFU/g or ≥ 1 CFU/ml
		Escherichia coli	Quality Control Methods for Medicinal Plant Materials, WHO 1998	Present/ Absent / g or ml
		Salmonella spp.	Quality Control Methods for Medicinal Plant Materials, WHO 1998	Present/ Absent / g or ml
		Pseudomonas aeruginosa	Quality Control Methods for Medicinal Plant Materials, WHO 1998	Present/ Absent / g or ml
		Staphylococcus aureus	Quality Control Methods for Medicinal Plant Materials, WHO 1998	Present/ Absent / g or ml

IV. BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS

1.	Packaging Materials, Medical Devices	Total Aerobic Microbial Count	ISO 11737-1:2006 WI/SAP-Micro/5/83, Issue date: 01.04.2014	≥ 10 CFU/g
		Yeast and Mould Count	ISO 11737-1:2006 WI/SAP-Micro/5/84 Issue date: 01.04.2014	≥ 10 CFU/g
		Total Anaerobic Microbial Count	ISO 11737-1:2006 WI/SAP-Micro/5/85 Issue date: 01.04.2014	≥ 10 CFU/g

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Packaging Materials, Medical Devices	E.coli	Adopted USP 34 WI/SAP-Micro/5/88 Issue date: 01.04.2014	Present/ Absent /10g
		S.aureus	Adopted USP 34 WI/SAP-Micro/5/87 Issue date: 01.04.2014	Present/ Absent /10g
		Pseudomonas aeruginosa	Adopted USP 34 WI/SAP-Micro/5/86	Present/ Absent /10g
		Enterobacteriaceae	Adopted USP 34 WI/SAP-Micro/5/89	Present/ Absent /10g
2.	Organic Fertilizers	Pathogenecity test	The Fertilizer (Control) Order, 1985, 13 th Edition, 2010, Sch.IV, Part D, Page No. 144-H	Present/Absent / 30 g

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*NOTE: The Laboratory has demonstrated competence for the stated scope for WATER. This however does not fully cover the specification requirements of BIS for the Packaged Drinking Water as per IS:14543 and the Packaged Natural Mineral Water IS:13428.