

<b>Laboratory</b>	<b>TUV Sud South Asia Pvt. Ltd., A-151, 2C Main Road, 2<sup>nd</sup> Stage, Peenya Industrial Estate, Bangalore</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Biological Testing</b>	<b>Issue Date</b>	<b>25.08.2013</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
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#### **I. FOOD & AGRICULTURAL PRODUCTS**

<b>1. Beverages - Alcoholic, Carbonated and Non-Alcoholic</b>	Aerobic Plate count	Chapter 7, Compendium of Methods for the microbiological examination of foods, 4th edition, APHA 2001 Chapter 3, FDA- BAM, 2001 IS 5402:2012	≥1 cfu/ml ≥1 cfu/ml ≥1 cfu/ml
	E.coli	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4th edition, APHA 2001 Chapter 4, FDA- BAM, 2002	≥3 MPN/ml ≥3 MPN/ml
	Yeast and Mold count	Chapter 20, Compendium of Methods for the microbiological examination of foods, 4th edition, APHA 2001 Chapter 18, US FDA BAM, 2001 IS 5403:1999 Reaffirmed 2009	≥1 cfu/ml ≥1 cfu/ml ≥1 cfu/ml
	Salmonella spp	Chapter 37, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 5, FDA- BAM, 2011 IS 5887 (Part 3):1999 Reaffirmed 2009	Present/ Absent per 25ml Present/ Absent per 25ml Present /Absent per 25ml

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		Shigella spp	Chapter 38, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	Present/ Absent per 25ml
			IS 5887 (Part 7):1999 Reaffirmed 2009	Present / Absent per 25ml
		S.aureus	Chapter 39, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥1 cfu/ml
			Chapter 12, FDA- BAM, 2001	≥1 cfu/ml
			IS 5887 (Part 8) Section 1:2002 Reaffirmed 2012	≥1 cfu/ml
		Enumeration of coliforms and fecal coliforms	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥1 cfu/ml, ≥3 MPN/ml
		Enumeration of coliforms and fecal coliforms	Chapter 4, FDA- BAM, 2002	≥1 cfu/ml, ≥3 MPN/ml
		Coliforms	IS 5401 (Part-2) : 2012	Present / Absent per 100ml
<b>2.</b>	<b>Coffee, Tea And Cocoa Products</b>	Aerobic Plate count	Chapter 7, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g
			Chapter 3, FDA- BAM, 2001	≥10 cfu/g
			IS 5402:2012	≥10 cfu/g

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		E.coli	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM , 2002 IS 5887 (Part 1):1976 Reaffirmed 2009	≥3 MPN/g  ≥3 MPN/g Present / Absent per gm
		Enumeration of Coliforms and fecal coliforms	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM, 2002 IS 5401 (Part 1):2012	≥10 cfu/g, ≥3 MPN/g  ≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g
		S. aureus	Chapter 39, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 12, FDA- BAM, 2001 IS 5887 (Part 8) Section 1 : 2002 Reaffirmed 2012	≥10 cfu/g, ≥3 MPN/g  ≥10 cfu/g
		Salmonella spp	Chapter 37, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 5, FDA- BAM, 2011 IS 5887 (Part 3):1999 Reaffirmed 2009	Present / Absent per 25g  Present / Absent per 25g Present / Absent per 25g

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
		Yeast and Mold count	Chapter 20, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 18, US FDA BAM, 2011 IS 5403:1999 Reaffirmed 2009	≥10 cfu/g ≥10 cfu/g
		B.cereus	Chapter 32, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 14, FDA- BAM, 2012	≥100 cfu/g, ≥3 MPN/g ≥100 cfu/g, ≥3 MPN/g
		Listeria monocytogenes	Chapter 36, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 10, FDA- BAM , 2011	Present/Absent per 25g Present/Absent per 25g
		Clostridium perfringens	Chapter 34, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 16, FDA – BAM , 2001	≥10 cfu/g ≥10 cfu/g
		Vibrio cholerae and Vibrio parahaemolyticus	Chapter 40, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 09, FDA – BAM , 2004	Present/ Absent per 25g / ≥3 MPN/g Present/ Absent per 25g / ≥3 MPN/g

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3.	<b>Meat, Poultry &amp; Products</b>	Aerobic plate count	Chapter 7, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 3, FDA- BAM , 2001 IS 5402:2012	≥10 cfu/g ≥10 cfu/g ≥10 cfu/g
		E.coli	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM , 2002 IS 5887 (Part 1):1976 Reaffirmed 2009	≥3 MPN/g ≥3 MPN/g Present / Absent per g or 25g
		Enumeration of coliforms and fecal coliforms	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM , 2002 IS 5401 (Part 1):2012	≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g
		S.aureus	Chapter 39, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 12, FDA- BAM , 2001 IS 5887( Part 8) Section 1:2002 Reaffirmed 2012 IS 5887 (Part 2) : 1976 Reaffirmed 2009	≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g Present / Absent per 25g

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		Salmonella spp	Chapter 37, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 5, FDA- BAM , 2011 IS 5887 (Part 3):1999 Reaffirmed 2009	Present / Absent per 25g  Present / Absent per 25g Present / Absent per 25g
		Yeast and Mold count	Chapter 20, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 18, US FDA BAM , 2001 IS 5403:1999 Reaffirmed 2009	≥10 cfu/g  ≥10 cfu/g ≥10 cfu/g
		Listeria monocytogenes	Chapter 36, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 10, FDA- BAM , 2011	Present/Absent per 25g  Present/Absent per 25g
		Clostridium perfringens	Chapter 34, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 IS 5887 (Part 4) : 1999 Reaffirmed 2009	≥100 cfu/g, Present / Absent per 2 g  Present / Absent per 25g

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
		Enterococci	Chapter 9, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g
		Shigella spp	Chapter 38, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 (cultural methods only) IS 5887 (Part 7):1999 Reaffirmed 2009	Present/Absent per 25g  Present / Absent per 25g
		B.cereus	Chapter 32, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 14, FDA- BAM , 2012	≥100 cfu/g, ≥3 MPN/g  ≥100 cfu/g, ≥3 MPN/g
<b>4.</b>	<b>Milk and Dairy products</b>	Aerobic Plate count	Chapter 7, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 3, FDA- BAM , 2001 IS 5402:2012	≥10 cfu/g  ≥10 cfu/g ≥10 cfu/g

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
		<i>E.coli</i>	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM , 2002 IS 5887 (Part 1):1976 Reaffirmed 2009	≥3 MPN/g  ≥3 MPN/g Present / Absent per gm
		Enumeration of Coliforms and fecal coliforms	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM , 2002 IS 5401 (Part 1):2012	≥10 cfu/g, ≥3 MPN/g  ≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g Present/Absent per 0.1g
		<i>Shigella</i> spp	Chapter 38, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 (cultural methods only) IS 5887 (Part 7) : 1999 Reaffirmed 2009	Present/Absent per 25g  Present / Absent per 25g
		<i>S.aureus</i>	Chapter 39, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 12, FDA- BAM , 2001 IS 5887 (Part 8) Section 1:2002 Reaffirmed 2012 IS 5887 (Part 2):1976	≥10 cfu/g, ≥3 MPN/g  ≥10 cfu/g ≥10 cfu/g, ≥3 MPN/g  Present/Absent per 0.1g/1g



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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
		Salmonella spp	Chapter 37, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	Present/ Absent per 25g
			IS 5887 (Part 3):1999 Reaffirmed 2009	Present / Absent per 25g
			Chapter 5, FDA- BAM , 2011	Present/ Absent per 25g
		Yeast and Mold count	Chapter 20, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g
			Chapter 18, US FDA BAM , 2001	≥1 cfu/ml ≥10 cfu/g/ml
			IS 5403 – 1999 Reaffirmed 2009	≥10 cfu/g, Present/Absent per 0.1g/1g
		B.cereus	Chapter 14, FDA- BAM , 2012	≥100 cfu/g, ≥3 MPN/g
			IS 5887 (Part 6) : 2012	≥1 cfu/ml, ≥10 cfu/g
		Listeria monocytogenes	Chapter 36, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	Present/Absent per 25g
			Chapter 10, FDA- BAM , 2011	Present/Absent per 25g
		Listeria monocytogenes	IS 14988 (Part 1) : 2001 Reaffirmed 2012	Present / Absent per g

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
		Clostridium perfringens	Chapter 34, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 16, FDA – BAM , 2001 IS 5887 (Part 4) : 1999 Reaffirmed 2009	≥ 10 cfu/g, Present / Absent per 2 g  ≥10 cfu/g ≥10 cfu/g
		Vibrio cholerae and Vibrio parahaemolyticus	Chapter 40, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 09, FDA – BAM , 2004	Present/ Absent per 25g / ≥3 MPN/g  Present/ Absent per 25g / ≥3 MPN/g
<b>5.</b>	<b>Fish and Marine products</b>	Aerobic Plate count	Chapter 7, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 3, FDA- BAM , 2001 IS 5402:2012	≥10 cfu/g  ≥10 cfu/g ≥10 cfu/g
		E.coli	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM , 2002 IS 5887 (Part 1) : 1976 Reaffirmed 2009	≥3 MPN/g  ≥3 MPN/g Present / Absent per g / 25g

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	<b>Fish and Marine products</b>	Enumeration of Coliforms and fecal coliforms	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM , 2002 IS 5401 (Part 1):2012	≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g
		Shigella spp	Chapter 38, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 (cultural methods only) IS 5887 (Part 7):1999 Reaffirmed 2009	Present/Absent per 25g Present / Absent per 25g
		S.aureus	Chapter 39, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 12, FDA- BAM , 2001 IS 5887 (Part 8) Section 1:2002 Reaffirmed 2012 IS 5887 (Part 2) : 1976 Reaffirmed 2009	≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g Present / Absent per 25g
		Salmonella spp	Chapter 37, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 IS 5887 (Part 3):1999 Reaffirmed 2009 Chapter 5, FDA- BAM , 2011	Present/ Absent per 25g Present / Absent per 25g Present/ Absent per 25g

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	<b>Fish and Marine products</b>	Yeast and Mold count	Chapter 20, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g
			Chapter 18, US FDA BAM , 2001	≥10 cfu/g
			IS 5403 – 1999 Reaffirmed 2009	≥10 cfu/g
		<i>B.cereus</i>	Chapter 32, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥100 cfu/g, ≥3 MPN/g
			Chapter 14, FDA- BAM , 2012	≥100 cfu/g, ≥3 MPN/g
		Listeria monocytogenes	Chapter 36, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	Present/Absent per 25g
			Chapter 10, FDA- BAM , 2011	Present/Absent per 25g
		Clostridium perfringens	Chapter 34, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g, Present / Absent per 2 g
			Chapter 16, FDA – BAM , 2001	≥10 cfu/g
			IS 5887 (Part 4) : 1999 Reaffirmed 2009	Present / Absent per 25g

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	<b>Fish and Marine products</b>	Vibrio cholerae and Vibrio parahaemolyticus	Chapter 40, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	Present/ Absent per 25 g / $\geq 3$ MPN/g
			Chapter 09, FDA – BAM , 2004	Present/ Absent per 25g / $\geq 3$ MPN/g
			IS 5887 (Part 5) : 1976 Reaffirmed 2009	Present/ Absent per 25g
		Lactic acid Bacteria	Chapter 19, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	$\geq 10$ cfu/g
		Vibrio vulnificus	Chapter 40, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	$\geq 3$ MPN/g
			Chapter 09, FDA – BAM , 2004	$\geq 3$ MPN/g
<b>6.</b>	<b>Fruit and Vegetable and products</b>	Aerobic Plate count	Chapter 7, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	$\geq 10$ cfu/g
			Chapter 3, FDA- BAM , 2001	$\geq 10$ cfu/g
			IS 5402:2012	$\geq 10$ cfu/g

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Fruit and Vegetable and products</b>	E.coli	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥3 MPN/g
			Chapter 4, FDA- BAM , 2002	≥3 MPN/g
			IS 5887 (Part 1):1976	Present / Absent per g
			Reaffirmed 2009	
		Enumeration of Coliforms and fecal coliforms	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g, ≥3 MPN/g
			Chapter 4, FDA- BAM , 2002	≥10 cfu/g, ≥3 MPN/g
			IS 5401 (Part 1):2012	≥10 cfu/g
		Shigella spp	Chapter 38, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 (Cultural Methods only)	Present/Absent per 25g
			IS 5887 (Part 7):1999	Present / Absent per 25g
			Reaffirmed 2009	
		S.aureus	Chapter 39, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g, ≥3 MPN/g
			Chapter 12, FDA- BAM , 2001	≥10 cfu/g, ≥3 MPN/g
			IS 5887( Part 8) Section 1:2002	≥10 cfu/g
			Reaffirmed 2012	
			IS 5887 (Part 2) : 1976	Present / Absent per 25g or ml
			Reaffirmed 2009	

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	<b>Fruit and Vegetable and Products</b>	Salmonella spp	Chapter 37, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	Present/ Absent per 25g
			IS 5887( Part 3) 1999 Reaffirmed 2009	Present / Absent per 25g
			Chapter 5, FDA- BAM , 2011	Present/ Absent per 25g
		Vibrio cholerae, V.parahaemolyticus and V.vulnificus	Chapter 40, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	Present/ Absent per 25g, ≥3 MPN/g
			IS 5887 (Part 5) : 1976 Reaffirmed 2009	Present/ Absent per 25g
		Chapter 09, FDA – BAM , 2004	Present/ Absent per 25g, ≥3 MPN/g	
		Listeria monocytogenes	Chapter 36, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	Present/Absent per 25g
			Chapter 10, FDA- BAM , 2011	Present/Absent per 25g
		B.cereus	Chapter 32, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥100 cfu/g, ≥3 MPN/g
			Chapter 14, FDA- BAM , 2012	≥100 cfu/g, ≥3 MPN/g

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Fruit and Vegetable and products</b>	Yeast and Mold	Chapter 20, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 18, US FDA BAM , 2001 IS 5403:1999 Reaffirmed 2009	≥10 cfu/g  ≥10 cfu/g
		Clostridium perfringens	Chapter 34, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 16, FDA – BAM , 2001	≥10 cfu/g, Present / Absent per 2 g  ≥10 cfu/g
		Flat Sour Organisms	Chapter 24, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g
		Lactic acid bacteria	19.522, Chapter 51, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g
<b>7.</b>	<b>Spices and Condiments</b>	Aerobic Plate count	Chapter 7, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 3, FDA- BAM , 2001 IS 5402:2012	≥10 cfu/g  ≥10 cfu/g ≥10 cfu/g



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	<b>Spices and Condiments</b>	E.coli	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥3 MPN/g
			Chapter 4, FDA- BAM , 2002	≥3 MPN/g
			IS 5887 (Part 1):1976	Present / Absent
			Reaffirmed 2009	
		Enumeration of Coliforms and fecal coliforms	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g, ≥3 MPN/g
			Chapter 4, FDA- BAM , 2002	≥10 cfu/g, ≥3 MPN/g
			IS 5401 (Part 1):2012	≥10 cfu/g
		Salmonella spp	Chapter 37, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	Present/ Absent per 25g
			IS 5887 (Part 3):1999	Present / Absent per 25g
			Reaffirmed 2009	
			Chapter 5, FDA- BAM , 2011	Present/ Absent per 25g
		Yeast and Mold count	Chapter 20, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g
			Chapter 18, US FDA BAM , 2001	
			IS 5403 – 1999 Reaffirmed 2009	≥10 cfu/g

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	<b>Spices and Condiments</b>	B.cereus	Chapter 32, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥100 cfu/g, ≥3 MPN/g
			Chapter 14, FDA- BAM , 2012	≥100 cfu/g, ≥3 MPN/g
		Clostridium perfringens	Chapter 34, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g, Present / Absent per 2 g
			Chapter 16, FDA – BAM , 2001	≥10 cfu/g
		S.aureus	Chapter 39, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g, ≥3 MPN/g
			Chapter 12, FDA- BAM , 2001 IS 5887( Part 8) Section 1:2002 Reaffirmed 2012	≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g
	Listeria monocytogenes	Chapter 36, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	Chapter 10, FDA- BAM , 2011	Present/Absent per 25g Present/ Absent per 25g
	Mesophilic aerobic sporeformers	Chapter 22 Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001		≥1 cfu / g

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	<b>Spices and Condiments</b>	Mesophilic anaerobic sporeformers	Chapter 23 Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	Present / Absent / g, $\geq 3$ MPN/g, $\geq 10$ cfu/g
		Thermophilic flatsour sporeformers	Chapter 25, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	1 cfu in 2 g
<b>8.</b>	<b>Raw, Cooked Foods and Ready to Eat Foods</b>	Aerobic Plate count	Chapter 7, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 3, FDA- BAM , 2001 IS 5402:2012	$\geq 10$ cfu/g $\geq 10$ cfu/g $\geq 10$ cfu/g
		E.coli	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM , 2002 IS 5887 (Part 1):1976 Reaffirmed 2009	$\geq 3$ MPN/g $\geq 3$ MPN/g Present / Absent / g
		Enumeration of Coliforms and fecal coliforms	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM , 2002 IS 5401 (Part 1):2012	$\geq 10$ cfu/g, $\geq 3$ MPN/g $\geq 10$ cfu/g, $\geq 3$ MPN/g $\geq 10$ cfu/g

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	<b>Raw, Cooked Foods and Ready to Eat Foods</b>	Shigella spp	Chapter 38, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001(Cultural Methods only) IS 5887 (Part 7) : 1999 Reaffirmed 2009	Present/Absent per 25 g  Present / Absent per 25g
		S.aureus	Chapter 39, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 12, FDA- BAM , 2001 IS 5887( Part 8) Section 1:2002 Reaffirmed 2012	≥10 cfu/g, ≥3 MPN/g  ≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g
		Salmonella spp	Chapter 37, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 IS 5887 (Part 3):1999 Reaffirmed 2009 Chapter 5, FDA- BAM , 2011	Present/ Absent per 25g  Present / Absent per 25g Present/ Absent per 25g
		Yeast and Mold count	Chapter 20, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001, Chapter 18, US FDA BAM , 2001 IS 5403 – 1999 Reaffirmed 2009	≥10 cfu/g

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	<b>Raw, Cooked Foods and Ready to Eat Foods</b>	B.cereus	Chapter 32, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 14, FDA- BAM , 2012	≥100 cfu/g, ≥3 MPN/g ≥100 cfu/g, ≥3 MPN/g
		Listeria monocytogenes	Chapter 36, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 10, FDA- BAM , 2011	Present/Absent per 25g Present/Absent per 25g
		Clostridium perfringens	Chapter 34, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 16, FDA – BAM , 2001	≥10 cfu/g, Present / Absent per 2 g ≥10 cfu/g
		Vibrio cholerae and Vibrio parahaemolyticus	Chapter 40, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 09, FDA – BAM , 2004	Present/ Absent per 25 g / ≥3 MPN/g Present/ Absent per 25g / ≥3 MPN/g
		Enterobacteriaceae	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g

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<b>9.</b>	<b>Sugars, bakery and Confectionery</b>	Aerobic Plate count	Chapter 7, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 3, FDA- BAM , 2001 IS 5402:2012	≥10 cfu/g ≥10 cfu/g ≥10 cfu/g
		E.coli	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM , 2002 IS 5887 (Part 1) : 1976 Reaffirmed 2009	≥3 MPN/g ≥3 MPN/g Present / Absent per g
		Enumeration of Coliforms and fecal coliforms	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM , 2002 IS 5401 (Part 1):2012	≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g
		S.aureus	Chapter 39, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 12, FDA- BAM , 2001 IS 5887( Part 8) Section 1:2002 Reaffirmed 2012	≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g

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	<b>Sugars, bakery and Confectionery</b>	Salmonella spp	Chapter 37, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	Present/ Absent per 25g
			Chapter 5, FDA- BAM , 2011	Present / Absent per 25g
			IS 5887 (Part 3) : 1999	Present/ Absent per 25/g
			Reaffirmed 2009	
		Yeast and Mold count	Chapter 20, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g
		Chapter 18, US FDA BAM , 2001	≥10 cfu/g	
		IS 5403 – 1999 Reaffirmed 2009	≥10 cfu/g	
		Clostridium perfringens	Chapter 34, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g, Present / Absent per 2 g
			Chapter 16, FDA – BAM , 2001	≥10 cfu/g
		Mesophilic aerobic sporeformers	Chapter 22 Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥1 cfu/g
		Mesophilic anaerobic sporeformers	Chapter 23 Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	Present / Absent / g, ≥3 MPN/g, 10cfu/g

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	<b>Sugars, bakery and Confectionery</b>	Thermophilic flatsour sporeformers	Chapter 25, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	1 cfu in 2 g
		Thermophilic anaerobic sporeformers	Chapter 26, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	Present / Absent / 20 g
		Sulphide spoilage sporeformers	Chapter 27, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	1 cfu / 10 gm
		Shigella spp	IS 5887 (Part 7) : 1999 Reaffirmed 2009	Present / Absent per 25g
		B.cereus	Chapter 32, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 14, FDA- BAM , 2012	≥100 cfu/g, ≥3 MPN/g ≥100 cfu/g, ≥3 MPN/g
<b>10.</b>	<b>Nut and Nut products</b>	Aerobic Plate count	Chapter 7, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 3, FDA- BAM , 2001 IS 5402:2012	≥10 cfu/g ≥10 cfu/g ≥10 cfu/g



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	<b>Nut and Nut products</b>	E. Coli	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM , 2002 IS 5887 (Part 1):1976 Reaffirmed 2009	≥3 MPN/g  ≥3 MPN/g Present / Absent per g
		Enumeration of Coliforms and fecal coliforms	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM , 2002	≥10 cfu/g, ≥3 MPN/g  ≥10 cfu/g, ≥3 MPN/g
		B.cereus	Chapter 32, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 14, FDA- BAM , 2012	≥100 cfu/g, ≥3 MPN/g  ≥100 cfu/g, ≥3 MPN/g
		Salmonella spp	Chapter 37, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 IS 5887 (Part 3):1999 Reaffirmed 2009 Chapter 5, FDA- BAM , 2011	Present/ Absent per 25/g  Present / Absent per 25g  Present/ Absent per 25g

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	<b>Nut and Nut products</b>	Yeast and Mold count	Chapter 20, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g
			IS 5403 – 1999 Reaffirmed 2009	≥10 cfu/g
			Chapter 18, US FDA BAM , 2001	≥10 cfu/g
		Shigella spp	IS 5887 (Part 7) : 1999 Reaffirmed 2009	Present / Absent per 25g
		S.aureus	Chapter 39, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g, ≥3 MPN/g
			Chapter 12, FDA- BAM , 2001	≥10 cfu/g
			IS 5887( Part 8) Section 1:2002 Reaffirmed 2012	≥10 cfu/g
		Clostridium perfringens	Chapter 34, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g, Present / Absent per 2 g
			Chapter 16, FDA – BAM , 2001	≥10 cfu/g.
<b>11.</b>	<b>Canned Foods</b>	Mesophilic aerobic sporeformers	Chapter 22 Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥1 cfu/g

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Canned Foods</b>	Mesophilic anaerobic sporeformers	Chapter 23 Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	Present / Absent / g
		Thermophilic flatsour sporeformers	Chapter 25, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	1 cfu in 2 g
		Thermophilic anaerobic sporeformers	Chapter 26, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	Present / Absent / 20 g
<b>12.</b>	<b>Animal Feeds</b>	Aerobic Plate count	Chapter 7, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 3, FDA- BAM , 2001 IS 5402:2012	≥10 cfu/g ≥10 cfu/g ≥10 cfu/g
		<i>E.coli</i>	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM , 2002 IS 5887 (Part 1) : 1976 Reaffirmed 2009	≥3 MPN/g ≥3 MPN/g Present / Absent per gm

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Animal Feeds</b>	Enumeration of Coliforms and fecal coliforms	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM , 2002 IS 5401 (Part 1):2012	$\geq 10$ cfu/g, $\geq 3$ MPN/g $\geq 10$ cfu/g, $\geq 3$ MPN/g $\geq 10$ cfu/g
		Shigella spp	Chapter 38, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 (Cultural methods only) IS 5887 (Part 7):1999 Reaffirmed 2009	Present/Absent per 25 g  Present / Absent per 25g
		S.aureus	Chapter 39, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 12, FDA- BAM , 2001 IS 5887( Part 8) Section 1:2002 Reaffirmed 2012	$\geq 10$ cfu/g, $\geq 3$ MPN/g $\geq 10$ cfu/g, $\geq 3$ MPN/g 10 cfu / gm
		Salmonella spp	Chapter 37, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 IS 5887 (Part 3):1999 Reaffirmed 2009 Chapter 5, FDA- BAM , 2011	Present/ Absent per 25/g  Present / Absent per 25g Present/ Absent per 25/g

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Animal Feeds</b>	Yeast and Mold count	Chapter 20, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001, Chapter 18, US FDA BAM , 2001 IS 5403 - 1999 Reaffirmed 2009	≥10 cfu/g ≥10 cfu/g
		B.cereus	Chapter 32, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 14, FDA- BAM , 2012	≥100 cfu/g, ≥3 MPN/g ≥100 cfu/g, ≥3 MPN/g
		Listeria monocytogenes	Chapter 36, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 10, FDA- BAM , 2011	Present/Absent per 25g Present/Absent per 25g
		Clostridium perfringens	Chapter 34, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 16, FDA – BAM , 2001	≥10 cfu/g, Present / Absent per 2 g ≥10 cfu /g
		Vibrio cholerae and Vibrio parahaemolyticus	Chapter 40, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 09, FDA – BAM , 2004	Present/ Absent per 25 g / ≥3 MPN/g Present/ Absent per 25g / ≥3 MPN/g

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
13.	<b>Cereal and Cereal products (including Malt foods)</b>	Aerobic Plate count	Chapter 7, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 3, FDA- BAM , 2001 IS 5402:2012	≥10 cfu/g ≥10 cfu/g ≥10 cfu/g
		<i>E.coli</i>	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM , 2002 IS 5887 (Part 1) : 1976 Reaffirmed 2009	≥3 MPN/g ≥3 MPN/g Present / Absent
		Enumeration of Coliforms and fecal coliforms	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 4, FDA- BAM , 2002 IS 5401 (Part 1):2012	≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g, ≥3 MPN/g ≥10 cfu/g
		Shigella spp	Chapter 38, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 (Cultural methods only) IS 5887 (Part 7):1999 Reaffirmed 2009	Present/Absent per 25 g  Present / Absent per 25g

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Cereal and Cereal products (including Malt foods)</b>	S.aureus	Chapter 39, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g, ≥3 MPN/g
			Chapter 12, FDA- BAM , 2001	Present / Absent per g
			IS 5887 (Part 2) : 1976 Reaffirmed 2009	
			IS 5887( Part 8) Section 1:2002 Reaffirmed 2012	≥10 cfu/g
		Salmonella spp	Chapter 37, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	Present/ Absent per 25/g
			IS 5887 (Part 3):1999 Reaffirmed 2009	Present / Absent per 25g
			Chapter 5, FDA- BAM , 2011	Present/ Absent per 25g
		Yeast and Mold count	Chapter 20, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g
			Chapter 18, US FDA BAM , 2001	
			IS 5403:1999 Reaffirmed 2009	≥10 cfu/g
	B.cereus	Chapter 32, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥100 cfu/g, ≥3 MPN/g	
		Chapter 14, FDA- BAM , 2012	≥100 cfu/g, ≥3 MPN/g	

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Cereal and Cereal products (including Malt foods)</b>	Listeria monocytogenes	Chapter 36, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 10, FDA- BAM , 2011	Present/Absent per 25g Present/Absent per 25g
		Clostridium perfringens	Chapter 34, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 Chapter 16, FDA – BAM , 2001	≥10 cfu/g, Present / Absent per 2 g ≥10 cfu/g
		Vibrio cholerae and Vibrio parahaemolyticus	Chapter 40, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001 IS 5887 (Part 5) : 1976 Reaffirmed 2009 Chapter 09, FDA – BAM , 2004	Present/ Absent per 25g / ≥3 MPN/g Present/ Absent per 25g Present/ Absent per 25g / ≥3 MPN/g
		Faecal Streptococci	IS 5887 (Part 2) : 1976 Reaffirmed 2009	Present/Absent per g
<b>II. WATER</b>				
<b>1.</b>	<b>Drinking water - Piped and Borewell</b>	Coliforms	9221 B, 9221 C, 9221 E, APHA 22 <sup>nd</sup> Edition, 2012	≥1.1 MPN/100 ml
			IS: 1622- 1981 Reaffirmed 2009	≥1MPN /100ml



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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
		<i>E.coli</i>	IS: 1622- 1981 Reaffirmed 2009 9221 B, 9221 E APHA 22 <sup>nd</sup> Edition, 2012	Absent/Present per 100 ml, 1.1 MPN/ 100ml
		E.coli and coliforms by membrane filtration technique	IS 15185 : 2002 Reaffirmed 2007 / ISO 9308-1:2000	Present/ Absent per 100 ml
		Enterococci	IS 15186 : 2002 Reaffirmed 2007/ ISO 7899-2 2000	Present/ Absent per 100 ml
<b>2.</b>	<b>Packaged Natural Mineral Water and Packaged Drinking Water</b>	E.coli	IS 5887 (Part 1) : 1976 Reaffirmed 2009 IS 15185 : 2002 Reaffirmed 2007 / ISO 9308-1:2000	Absent/Present per 250ml
		Coliform	IS 5401:2012 IS 15185:2002 Reaffirmed 2007 / ISO 9308-1:2000	Absent/Present per 250ml
		Fecal Streptococci	IS 5887 (Part 2):1976 Reaffirmed 2009	Absent/Present per 250ml
		Staphylococcus aureus	IS 5887 (Part 2):1976 Reaffirmed 2009	Absent/Present per 250ml
		Sulphite reducing anaerobes	IS 13428:1998 Reaffirmed 2009 (Annex C)	Absent/Present per 50ml

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		Clostridium perfringens	Annex 3, 98/83 EC	Present/ Absent per 100 ml
		Pseudomonas aeruginosa	IS 13428:1998 Reaffirmed 2009 (Annex D), APHA 22 <sup>nd</sup> Edition, 2012 , 9213E	Absent/Present per 250ml
		Yeast and Mold Count	IS 5403:1999	Absent/Present per 250 ml
		Aerobic microbial count	IS 1622:1981/ IS 14543:1998/ 5402:2012 IS 5402:2012 @ 22°C & 37°C APHA 22 <sup>nd</sup> Edition, 2012, 9215 B	≥1 cfu/ml ≥1 cfu/ml ≥1 cfu/ml
		Salmonella	IS 5887 (Part 3):1999 Reaffirmed 2009/ IS 15187:2002 Reaffirmed 2007	Absent/Present per 250ml
		Shigella	IS 5887 (Part 7):1999 Reaffirmed 2009	Absent/Present per 250ml
		Vibrio cholerae and V.parahemolyticus	IS 5887 (Part 5):1976 Reaffirmed 2009	Absent/Present per 250ml
<b>3.</b>	<b>Water for Processed Food Industry</b>	Standard Plate Count	IS 1622:1981 Reaffirmed 2009	≥1 cfu/ml
		Coliform	IS 1622:1981 Reaffirmed 2009	1 MPN/100ml
		Proteolytic & Lipolytic count	IS 4251:1967 Reaffirmed 2009	≥1 cfu/ml

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<b>4.</b>	<b>Vanilla Beans</b>	Total Plate count	ISO 4833:1991	≥10 cfu/g
			IS 5402:2012	≥10 cfu/g
			Chapter 7, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g
			Chapter 3, FDA- BAM , 2001	≥10 cfu/g
		Yeast and Mould count	ISO 21527-2:2008	≥10 cfu/g
			IS 5403:1999 Reaffirmed 2009	≥10 cfu/g
			Chapter 18, US FDA BAM, 2001	≥10 cfu/g
			Chapter 20, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g
		Coliforms	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥10 cfu/g, ≥3 MPN/g
			Chapter 4, FDA- BAM , 2002	≥10 cfu/g, ≥3 MPN/g
			IS 5401 (Part 1):2012	≥10 cfu/g
		E.coli	Chapter 8, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> edition, APHA 2001	≥3 MPN/g, ≥10 cfu/g
			Chapter 4, FDA- BAM , 2002	≥3 MPN/g, ≥10 cfu/g
			IS 5887 (Part 1):1976 Reaffirmed 2009	Present / Absent per gm

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		Salmonella spp	Chapter 37, Compendium of Methods for the microbiological examination of foods, 4 <sup>th</sup> Edition, APHA 2001	Present/ Absent per 25/g
			Chapter 5, FDA- BAM , 2011	Present/ Absent per 25/g
<b>III. COSMETICS &amp; ESSENTIAL OILS</b>				
<b>1.</b>	<b>Cosmetics / Cosmetic Raw Materials</b>	Total Microbial Count (included TPC and YMC)	IS 14648:2011	≥10 cfu/g
		Gram Negative pathogens	IS 14648:2011	Present / Absent per gm
		Pseudomonas	IS 14648:2011	Present / Absent per gm
		S.aureus	IS 14648 : 2011	Present / Absent per gm
<b>IV.</b>	<b>Textile Material</b>	Antibacterial activity	AATCC 147- 2004, AATCC 100 - 2004	Detected / Not Detected

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