Laboratory		Chennai Mettex Lab Pri Road, Guindy, Chennai	vate Limited, Jothi Complex,	No. 83, M.K.N.
Accı	editation Standard	ISO/IEC 17025: 2005		
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. FO	OD & AGRICULUTRA	L PRODUCTS		
1.	Bakery & Confectionery Products	Total plate count/Aerobic Microbial Count / Total Bacterial Count	IS 5402:2002 R.2007 / ISO 4833 : 2003 USFDA (BAM)-Chapter-3(2001)	≤10 cfu/g
		Coliform count a.Enumeration Method	IS 5401Part 1-2012/ ISO 4832:1991	≤10 cfu/g
		b.MPN method	USFDA (BAM)-Chapter-4 (2002) IS 5401Part 2-2002 R.2007/ ISO 4831:1991 USFDA (BAM)-Chapter-4 (2002)	< 0.3 MPN/g < 3 MPN/g
		E. coli a. Enumeration Method	IS 5887 Part 1-1976(Reaff 2009) USFDA (BAM)-Chapter-4 (2002)	≤10 cfu/g
		b. MPN method	IS 5887Part 1-1976(Reaff 2009) USFDA (BAM)-Chapter-4 (2002)	< 0.3 MPN/g < 3 MPN/g
		S. aureus a. Enumeration Method	IS 5887Part 2-1976(Reaff 2009) USFDA (BAM)-Chapter-12	≤10 cfu/g
		b. MPN method	(2001) USFDA (BAM)-Chapter-12 (2001)	< 3 MPN/g
		Salmonella spp.	IS 5887Part 3-1999(Reaff 2009) ISO 6579:2002 USFDA (BAM)-Chapter-5(2006)	Present/Absent/25g
		Shigella spp.	IS 5887Part 7-1999(Reaff 2009) USFDA (BAM)-Chapter-6 (2001)	Present/Absent/25g
		Listeria monocytogenes	USFDA (BAM)-Chapter-10	Present/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
	Bakery & Confectionery	Pseudomonas aeruginosa	IS 14843 :2000	Present/Absent/25g
	Products	Yeast and Mould	IS 5403:1999(Reaff 2009) USFDA (BAM)-Chapter-18 (2009)	≤10 cfu/g
		Enterobacteriacae	IS/ISO 7402: 1993 (Reaff. 2007) APHA 4th edn. 2001, Chapter 8	≤10 cfu/g
		Bacillus cereus a.Enumeration method	IS 5887 Pt.6/1999 (Reaff. 2007) / ISO 7932 -1993 USFDA(BAM) 8th edn-Chapter 14	≤10 cfu/g
		b.MPN Technique	USFDA (BAM) 8th edn. Chapter 14 APHA 4th edn. 2001, Chapter 32	≤10 cfu/g
		Clostridium perfringens	IS 5887 (Pt. 4)/1999 –Reaff.2005 USFDA (BAM) 8th edn. Chapter 16, 2001	≤10 cfu/g
2.	Carbonated Beverages	Total plate count/Aerobic Microbial Count / Total Bacterial Count	IS 5402:2002 R.2007 / ISO 4833 : 2003 USFDA (BAM)-Chapter-3(2001)	≤10 cfu/g
		Coliform count a.Enumeration Method	IS 5401Part 1-2012/ ISO 4832:1991	≤10 cfu/g
		b.MPN method	USFDA (BAM)-Chapter-4 (2002) IS 5401Part 2-2002/ ISO 4831:1991 USFDA (BAM)-Chapter-4 (2002)	< 0.3 MPN/g < 3 MPN/g
		E. coli a. Enumeration Method	IS 5887 Part 1-1976(Reaff 2009) USFDA (BAM)-Chapter-4 (2002)	≤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
	Carbonated Beverages	b. MPN method	IS 5887Part 1-1976(Reaff 2009) USFDA (BAM)-Chapter-4 (2002)	< 0.3 MPN/g < 3 MPN/g
		Salmonella spp.	IS 5887Part 3-1999(Reaff 2009) ISO 6579:2002 USFDA (BAM)-Chapter-5(2006)	Present/Absent/25g
		Yeast and Mould	IS 5403:1999(Reaff 2009) USFDA (BAM)-Chapter-18 (2001)	≤10 cfu/g & above
		Enterobacteriacae	APHA 4th edn. 2001, Chapter 8	≤10 cfu/g
		Vibrio cholerae	APHA 4th edn Chapter -40 USFDA(BAM) Chapter - 9 IS 5887 (part 5) 1976 (Reaff.2009)	Present/Absent/25g
		Vibrio parahaemolyticus	APHA 4th edn chapter 40 USFDA(BAM) Chapter - 9 IS 5887 (part 5) 1976 (Reaff.2009)	Present/Absent/25g
3.	Ready to eat foods (Including Raw / Processed/ Semi – processed / Canned/	Total plate count/ Aerobic Microbial Count / Total Bacterial Count	IS 5402:2002 R.2007/ ISO 4833 : 2003 USFDA (BAM)-Chapter-3(2001)	≤10 cfu/g & Above
	Thermally processed)	Coliform count a.Enumeration Method	IS 5401Part 1-2012/ ISO 4832:1991 USFDA (BAM)-Chapter-4 (2002)	≤10 cfu/g & above ≤10 cfu/g Present/Absent/25g Present/Absent/25g
		b.MPN method	IS 5401Part 2-2002/ ISO 4831:1991 USFDA (BAM)-Chapter-4 (2002)	

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ready to eat foods (Including Raw / Processed/ Semi –	E. coli a. Enumeration Method	IS 5887 Part 1-1976(Reaff 2009) USFDA (BAM)-Chapter-4 (2002)	≤10 cfu/g & Above
	processed /Canned/ Thermally processed)	b. MPN method	IS 5887Part 1-1976(Reaff 2009) USFDA (BAM)-Chapter-4 (2002)	< 0.3 MPN/g < 3 MPN/g
		Salmonella spp.	IS 5887Part 3-1999(Reaff 2009) ISO 6579:2002 USFDA (BAM)-Chapter-5(2006)	Present/Absent/25g
		Yeast and Mould	IS 5403:1999(Reaff 2009) USFDA (BAM)-Chapter-18 (2001)	≤10 cfu/gm &Above
		Enterobacteriacae	APHA 4th edn. 2001, Chapter 8	≤10 cfu/g & Above
		Vibrio cholerae	APHA 4th edn chapter - 40 IS 5887 (Part 5) 1976 (Reaff.2009)	Present/Absent/25g
		Vibrio parahaemolyticus	APHA 4th edn IS 5887 (Part 5) 1976 (Reaff.2005)	Present/Absent/25g
		Staphylococcus aureus	IS 5887 (Part 2) 1976 (Reaff.2005)	≤10 cfu/gm &Above
		a.Colony count technique	IS 5887 (Part 8/Sec 1)2002 ISO 6888-1/1999 USFDA (BAM) 8th edition Ch 12, APHA 4th edition 2001, Ch-39	≤10 cfu/gm &Above

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ready to eat foods (Including Raw / Processed/ Semi –	b.MPN technique	USFDA (BAM) 8th edition Ch 12, APHA 4th edition 2001, Ch-39	3MPN /g
	processed /Canned/ Thermally processed)	c.Isolation technique	IS 5887 (Part 2)/1976 (Reaff. 2005)	Present / Absent / 25g
		Shigella	IS 5887Part 7-1999(Reaff 2009) ISO 6579:2002 USFDA (BAM)-Chapter-6(2006) APHA 4th edn.2001 Chapter – 38	Present/Absent/25g
		Listeria monocytogens	IS 14988 (part 1) 2001 / ISO 11290-1/1996 USFDA (BAM)-Chapter-10 (2006) APHA 4th edn.2001Chapter – 36	Present/Absent/25g
		Bacillus cereus a.Colony count technique	IS 5887Part 6 1999 (Reaff 2005) ISO 7932:1993 USFDA (BAM)-Chapter-14 (2006)	≤10 cfu/g
		b.MPN technique	APHA 4th edn.2001 Ch 32 USFDA (BAM)-Chapter-14 (2006)	3 MPN/g
		Clostridium perfringens	IS 5887 (Pt. 4)/1999 –Reaff.2009 USFDA (BAM) 8th edn. Chapter 16, 2001 APHA 4th edn. 2001, Chapter 34.	≤10 cfu/gm &Above Present/Absent/25g
		Thermophilic flat sour spore formers	APHA 4th edn. 2001, Chapter 25	≤10 spores/g &Above

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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
		Faecal streptococci	IS 5887 (Pt. 4)/1999 –Reaff.2005 APHA 4th edn. 2001, Chapter 9	≤10 cfu/gm &Above ≤10CFU/g & Above
4.	Dairy & Dairy Products (Raw & Processed)	Total Plate Count	IS 5402:2002 R.2007/ ISO 4833:1991 USFDA(BAM)-Chapter-3. 2001	≤10 cfu/g
		Coliform count: a.Enumeration Method	IS 5401Part 1-2012/ ISO 4832:1991 USFDA(BAM)-Chapter-4. 2002	≤10 cfu/g
		b.MPN method:	IS 5401Part 2-2007/ ISO 4831:1991. USFDA(BAM)-Chapter-4. 2002	< 0.3 MPN/g < 3 MPN/g
		E.coli: a.Enumeration Method	IS 5887 Part 1-1976(Reaff 2009) USFDA(BAM)-Chapter-4. 2002	≤10 cfu/g
		b.MPN method:	IS 5887Part 1-1976(Reaff 2009) USFDA(BAM)-Chapter-4. 2002	< 0.3 MPN/g < 3 MPN/g
		S.aureus: Enumeration Method	IS 5887Part 2-1976(Reaff 2009). USFDA(BAM)-Chapter-12 .2001	≤10 cfu/g
		b.MPN method	USFDA(BAM)-Chapter-12 2001	< 3 MPN/g
		Salmonella spp	IS 5887Part 3-1999(Reaff 2009) ISO 6579:2002 USFDA(BAM)-Chapter-5. 2006	Present/Absent/25g
		Shigella spp	IS 5887Part 7-1999(Reaff 2009) USFDA(BAM)-Chapter-6. 2001	Present/Absent/25g
		Listeria monocytogenes	USFDA(BAM)-Chapter-10. 2001	Present/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
		Yeast and Mould	IS 5403:1999(Reaff 2009) USFDA(BAM)-Chapter-18 .2001	≤10 cfu/g
5.	Fruits and Vegetables Products	Total plate count	IS 5402:2002 R 2007 USFDA(BAM)-Chapter-3. 2001	≤10 cfu/g
	(Raw & Processed)	Coliform count: a.Enumeration Method:	IS 5401 Part 1-2012/ ISO 4832:1991 USFDA(BAM)-Chapter-4. 2002	≤10 cfu/g
		b.MPN method	IS 5401 Part 2 -2007/ ISO 4831:1991	< 0.3 MPN/g
			USFDA(BAM)-Chapter-4 .2002	< 3 MPN/g
		E.coli: a.Enumeration Method	IS 5887 Part 1 -1976(Reaff 2009) USFDA(BAM)-Chapter-4 .2002	≤10 cfu/g
		b.MPN method	IS 5887 Part 1-1976(Reaff 2009) USFDA(BAM)-Chapter-4 .2002	< 0.3 MPN/g < 3 MPN/g
		Faecal coliforms	USFDA(BAM)-Chapter-4.2002	< 3 MPN/g
		S.aureus: a.Enumeration Method	IS 5887 Part 2 -1976(Reaff 2009). USFDA(BAM)-Chapter-12 .2001	≤10 cfu/g
		b.MPN method:	USFDA(BAM)-Chapter-12 .2001	< 3 MPN/g
		Salmonella spp	IS 5887Part 3-1999(Reaff 2009) ISO 6579:2002 USFDA(BAM)-Chapter-5.2006	Present/Absent/25g/50
		Shigella spp	USFDA(BAM)-Chapter-6 .2001 IS 5887 Part 7-1999(Reaff 2009)	Present/Absent/25g/50

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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
	Fruits and Vegetables Products	Vibrio cholerae	IS 5887 Part 5 -1976(Reaff 2009) USFDA(BAM)-Chapter 9. 2004	Present/Absent/25g/50g
	(Raw & Processed)	Vibrio parahaemolyticus	IS 5887 Part 5-1976(Reaff 2009) USFDA(BAM)-Chapter 9. 2004	Present/Absent/25g/50g
		Bacillus cereus:	USFDA(BAM)-Chapter-14	< 3 MPN/g
		a.MPN method b.Enumeration method	IS 5887 Part 4-1999(Reaff 2009) USFDA(BAM)-Chapter-14 -2001	≤10 cfu/g
		Yeast and Mould	IS 5403:1999(Reaff 2009) USFDA(BAM)-Chapter-18	≤10 cfu/g
6.	Sugar used in Preservation Industry	Total plate count	IS 5402:2002 R 2007 USFDA(BAM)-Chapter-3. 2001	≤10 cfu/g
		Yeast and Mould	IS 5403:1999(Reaff 2009) USFDA(BAM)-Chapter-18. 2001	≤10 cfu/g
7.	Alcoholic & Non alcoholic Beverages	Total plate count	IS 5402:2002 R 2007 USFDA(BAM)-Chapter-3 .2001	1cfu/ml &Above
		Coliform count: a.Enumeration Method:	IS 5401 Part 1 -2012/ ISO 4832:1991 USFDA(BAM)-Chapter-4. 2001	1cfu/ml & Above
		b.MPN method	IS 5401 Part 1 -2002/ ISO 4832:1991 USFDA(BAM)-Chapter-4.2001	< 3 MPN/ml
		Yeast and Mould	IS 5403:1999(Reaff 2005) USFDA(BAM)-Chapter-18 .2001	≤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
8.	Cereal and cereals Products	Total plate count	IS 5402:2002 R 2007 USFDA(BAM)-Chapter-3 .2001	≤10 cfu/g
		Coliform count: a.Enumeration Method:	IS 5401 Part 1-2012/ ISO 4832:1991	≤10 cfu/g
			USFDA(BAM)-Chapter-4. 2001	≤10 cfu/g
		b.MPN method	IS 5401 Part 2 -2002/ ISO 4831:1991. USFDA(BAM)-Chapter-4. 2001	< 0.3 MPN/g < 3 MPN/g
		Faecal coliforms	USFDA(BAM)-Chapter-4. 2001	< 3 MPN/g
		E.coli: a.Enumeration Method: b.MPN method	IS 5887 Part 1-1976(Reaff 2009) USFDA(BAM)-Chapter-4. 2001	≤10 cfu/g
		oa i i monou	IS 5887 Part 1-1976(Reaff 2009) USFDA(BAM)-Chapter-4. 2001	< 0.3 MPN/g < 3 MPN/g
		S.aureus: Enumeration Method:	IS 5887 Part 2 -1976(Reaff 2009) USFDA(BAM)-Chapter-12 .2001	≤10 cfu/g ≤10 cfu/g
		MPN Method:	USFDA(BAM)-Chapter-12 2001	< 3 MPN/g
		Salmonella spp	IS 5887 Part 3 -1999(Reaff 2009) ISO 6579:2002 USFDA(BAM)-Chapter-5 .2006	Present/Absent/25g
		Shigella spp	IS 5887 Part 7 -1999(Reaff 2009) ISO 6579:2002 USFDA(BAM)-Chapter-6 .2001	Present/Absent/25g
		Bacillus cereus MPN method	USFDS (BAM) Chapter 14.2001	< 3 MPN/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
	Cereal and cereals Products	Enumeration method	USFDS (BAM) Chapter 14.2001 IS 5887 Part 6-1999:Reaff 2005.	≤10 cfu/g
		Yeast and Mould	IS 5403:1999(Reaff 2009) USFDA(BAM)-Chapter-18. 2001	≤10 cfu/g
9.	Meat and Meat Products, Fish &Fishery Products	Total plate count	IS 5402:2002 USFDA(BAM)-Chapter-3. 2001	≤10 cfu/g
	&others (Raw, Cooked, Frozen, dried & Ready to eat food)	Coliform count: a.Enumeration Method:	IS 5401 Part 1-2012/ ISO 4832:1991 USFDA(BAM)-Chapter-4 .2002	≤10 cfu/g
	Ready to eat 100d)	b.MPN method	IS 5401 Part 2-2002/ ISO 4831:1991. USFDA(BAM)-Chapter-4. 2002	< 0.3 MPN/g < 3 MPN/g
		E.coli: a.Enumeration Method:	IS 5887 Part 1-1976(Reaff 2009) USFDA(BAM)-Chapter-4 .2002	≤10 cfu/g
		b.MPN method	IS 5887 Part 1-1976(Reaff 2009) USFDA(BAM)-Chapter-4. 2002	< 0.3 MPN/g < 3 MPN/g
		Faecal coliforms	USFDA(BAM)-Chapter-4 .2001	< 3 MPN/g
		S.aureus a.Enumeration Method	IS 5887 Part 2-1976(Reaff 2009). USFDA(BAM)-Chapter-12 .2001	≤10 cfu/g
		b.MPN method	USFDA(BAM)-Chapter-12 .2001	< 3 MPN/g
		Salmonella spp	IS 5887 Part 3-1999(Reaff 2009) ISO 6579:2002 USFDA(BAM)-Chapter-5.2006	Present/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, Fish &Fishery Products	Shigella spp	USFDA(BAM)-Chapter-6 .2001 IS 5887 Part 7-1999(Reaff 2009)	Present/Absent/25g
	&others (Raw, Cooked,	Vibrio cholerae	IS 5887 Part 5-1976(Reaff 2009) USFDA(BAM)-Chapter-9 .2004	Present/Absent/25g
	Frozen, dried & Ready to eat food)	Vibrio parahaemolyticus	IS 5887 Part 5-1976(Reaff 2009) USFDA(BAM)-Chapter-9.2004	Present/Absent/25g Present/Absent/50g
		Bacillus cereus: a.MPN method	USFDA(BAM)-Chapter-14.2001	< 3 MPN/g
		b.Enumeration method	USFDA(BAM)-Chapter-14.2001 IS 5887 Part 6 1999 Reaff 2005	≤10 cfu/g
		Clostridium perfringens	USFDA(BAM)-Chapter-14 IS 5887 Part 4-1999(Reaff 2005)	≤10 cfu/g
		Listeria monocytogenes	USFDA(BAM)-Chapter-10. 2001	Present/Absent/25g
		Yeast and Mould	IS 5403:1999(Reaff 2009) USFDA(BAM)-Chapter 18,2001	≤10 cfu/g
10.	Spices and condiments	Total plate count	IS 5402:2002 R 2007 USFDA(BAM)-Chapter-3. 2001	≤10 cfu/g
	(Whole Ground& Oleoresin)	Coliform count: a.Enumeration Method:	IS 5401 Part 1-2012 ISO 4832:1991 USFDA(BAM)-Chapter-4 .2002	≤10 cfu/g
		b.MPN method:	IS 5401 Part 2-2002/ ISO 4831:1991. USFDA(BAM)-Chapter-4 .2002	≤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
	Spices and condiments	E.coli: a.Enumeration Method:	IS 5887 Part 1-1976(Reaff 2009) USFDA(BAM)-Chapter-4. 2002	≤10 cfu/g
	(Whole Ground& Oleoresin)	b.MPN method	IS 5887 Part 1-1976(Reaff 2009) USFDA(BAM)-Chapter-4 .2002	< 3 MPN/g <0.3 MPN/g
		Faecal coliforms	USFDA(BAM)-Chapter-4 .2002	< 3 MPN/g
		S.aureus: a.Enumeration Method	IS 5887 Part 2-1976(Reaff 2005) USFDA(BAM)-Chapter-12. 2001	≤10 cfu/g
		b.MPN method	USFDA(BAM)-Chapter-12 .2001	< 3 MPN/g
		Salmonella spp	IS 5887 Part 3-1999(Reaff 2009) ISO 6579:2002 USFDA(BAM)-Chapter-5.2001	Present/Absent/25g
		Shigella spp	USFDA(BAM)-Chapter-6 .2001 IS 5887 Part 7-1999(Reaff 2009)	Present/Absent/25g
		Vibrio cholerae	IS 5887 Part 5-1976(Reaff 2009) USFDA(BAM)-Chapter-9 .2004	Present/Absent/25g
		Bacillus cereus:	USFDA(BAM)-Chapter-14.2001	< 3 MPN/g
		a.MPN method b.Enumeration method	USFDA(BAM)-Chapter-14.2001 IS 5887 Part 6 1999 Reaff 2007	≤10 cfu/g
		Yeast and Mould	IS 5403:1999(Reaff 2009) USFDA(BAM)-Chapter 18,2001	≤10 cfu/g
11.	Coconut and Coconut Products	Total plate count	IS 5402:2002 R 2007 USFDA(BAM)-Chapter-3. 2001	≤10 cfu/g

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	Coconut and Coconut Products	Coliform count: a.Enumeration Method:	IS 5401 Part 1-2012/ ISO 4832:1991 USFDA(BAM)-Chapter-4 .2002	≤10 cfu/g
		b.MPN method:	IS 5401 Part 2-2002/ ISO 4831:1991. USFDA(BAM)-Chapter-4 .2002	< 0.3 MPN/g < 3 MPN/g
		E.coli: a.Enumeration Method:	IS 5887 Part 1-1976(Reaff 2009) USFDA(BAM)-Chapter-4. 2002	≤10 cfu/g
		Faecal coliforms	USFDA(BAM)-Chapter-4 .2002	< 3 MPN/g
		S.aureus: Enumeration Method:	IS 5887 Part 2-1976(Reaff 2009). USFDA(BAM)-Chapter-12. 2001	≤10 cfu/g
		MPN Method:	USFDA(BAM)-Chapter-12 2001	< 3 MPN/g
		Salmonella spp	IS 5887 Part 3-1999(Reaff 2009) ISO 6579:2002 USFDA(BAM)-Chapter-5.2001	Present/Absent/25g
		Shigella spp	USFDA(BAM)-Chapter-6. 2001 IS 5887 Part 7-1999(Reaff 2005)	Present/Absent/25g
		Bacillus cereus: a.MPN method	USFDA(BAM)-Chapter-14.2001	< 3 MPN/g
		b.Enumeration method	USFDA(BAM)-Chapter-14.2001 IS 5887 Part 6-1999(Reaff 2005)	≤10 cfu/g
		Yeast and Mould	IS 5403:1999(Reaff 2005) USFDA(BAM)-Chapter 18,2001	≤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
12.	Nuts and Nut Products:	Total plate count	IS 5402:2002 USFDA(BAM)-Chapter-3. 2001	≤10 cfu/g
		Coliform count: a.Enumeration Method:	IS 5401 Part 1-2012/ ISO 4832:1991 USFDA(BAM)-Chapter-4 .2002	≤10 cfu/g
		b.MPN method:	IS 5401 Part 2-2002/ ISO 4831:1991. USFDA(BAM)-Chapter-4. 2002	< 3 MPN/g <0.3 MPN/g
		E.coli: a.Enumeration Method:	IS 5887 Part 1-1976(Reaff 2009) USFDA(BAM)-Chapter-4. 2002	≤10 cfu/g
		b.MPN method	IS 5887 Part 1-1976(Reaff 2009) USFDA(BAM)-Chapter-4 .2002	< 3 MPN/g <0.3 MPN/g
		Faecal coliforms	USFDA(BAM)-Chapter-4. 2002	< 3 MPN/g
		S.aureus: a.Enumeration Method	IS 5887 Part 2-1976(Reaff 2009) USFDA(BAM)-Chapter-12. 2001	≤10 cfu/g
		b.MPN method	USFDA(BAM)-Chapter-12 .2001	< 3 MPN/g
		Salmonella spp	IS 5887 Part 3-1999(Reaff 2009) ISO 6579:2002 USFDA(BAM)-Chapter-5.2001	Present/Absent/25g
		Shigella spp	USFDA(BAM)-Chapter-6. 2001 IS 5887 Part 7-1999(Reaff 2009)	Present/Absent/25g
		Vibrio cholerae	IS 5887 Part 5-1976(Reaff 2009) USFDA(BAM)-Chapter-9 .2004	Present/Absent/25g

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6.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Nuts and Nut Products:	Bacillus cereus a.Enumeration method b.MPN method	USFDA(BAM)-Chapter-14.2001 IS 5887 Part 6-1999(Reaff 2005) USFDA(BAM)-Chapter-14.2001	≤10 cfu/g
		Yeast and Mould	IS 5403:1999(Reaff 2009) USFDA(BAM)-Chapter 18,2001	≤10 cfu/g
13.	Egg and Egg Products	Total plate count	IS 5402:2002 R 2007 USFDA(BAM)-Chapter-3 .2001	≤10 cfu/g
		Coliform count: a.Enumeration Method:	IS 5401 Part 1-2012/ ISO 4832:1991 USFDA(BAM)-Chapter-4 .2002	≤10 cfu/g
		b.MPN method:	IS 5401 Part 2-2002/ ISO 4831:1991. USFDA(BAM)-Chapter-4. 2002	< 3 MPN/g <0.3 MPN/g
		E.coli: a.Enumeration Method:	IS 5887 Part 1-1976(Reaff 2009) USFDA(BAM)-Chapter-4 .2002	≤10 cfu/g
		b.MPN method	IS 5887 Part 1-1976(Reaff 2009) USFDA(BAM)-Chapter-4. 2002	< 3 MPN/g <0.3 MPN/g
		Faecal coliforms	USFDA(BAM)-Chapter-4. 2002	< 3 MPN/g
		S.aureus: a.Enumeration Method	IS 5887 Part 2-1976(Reaff 2009) USFDA(BAM)-Chapter-12 .2001	≤10 cfu/g
		b.MPN method	USFDA(BAM)-Chapter-12. 2001	< 3 MPN/g
		Salmonella spp	IS 5887 Part 3-1999(Reaff 2009) ISO 6579:2002 USFDA(BAM)-Chapter-5.2001	Present/Absent/25g

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Accre	editation Standard	ISO/IEC 17025: 2005				
Discip	oline	Biological Testing		Issue D	ate	16.06.2013
Certificate Number		T-1285		Valid U	ntil	15.06.2015
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specifica		•	ge of Testing / ts of Detection

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	Shigella spp	USFDA(BAM)-Chapter-6. 2001 IS 5887 Part 7-1999(Reaff 2009)	Present/Absent/25g
		Vibrio cholerae	IS 5887 Part 5-1976(Reaff 2009) USFDA(BAM)-Chapter-9 .2004	Present/Absent/25g
		Bacillus cereus: a.MPN method	USFDA(BAM)-Chapter-14.2001	< 3 MPN/g
		b.Enumeration method	USFDA(BAM)-Chapter-14.2001 IS 5887 Part 6-1999(Reaff 2009)	≤10 cfu/g
		Yeast and Mould	IS 5403:1999(Reaff 2009) USFDA(BAM)-Chapter 18,2001	≤10 cfu/g
II.PC	OLLUTION AND ENVIR	RONMENT		
1.	Water, Waste water and Treated water	Total plate count	APHA-9215 B	1 cfu/ml & Above
		Total coliforms	APHA-9221-B	< 1.8 MPN/100 ml
		Faecal coliforms	АРНА-9221-Е	< 1.8 MPN/100 ml
		E.coli	APHA-9221-F	< 1.8 MPN/100 ml
		Faecal streptococci	APHA-9230-A	< 1.8 MPN/100 ml
		Salmonella spp	APHA-9260-B	Present/Absent /250 ml
		Shigella spp	АРНА-9260-Е	Present/Absent/250 ml
		V.cholerae	АРНА-9260-Н	Present/Absent/250 ml

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Discipline		Biological Testing	Biological Testing		e 16.06.2013	
Certificate Number		T-1285		Valid Unti	I 15.06.2015	
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specifica against which tests a performed		ange of Testing / mits of Detection	
II. W	ATER:					
1.	Water for Swimming Pool.	Standard Plate Count	IS 1622:1981(Reaff 2009	1 (efu/ml	
	(IS 3328:1993)	Coliform a.MPN method:	IS 1622:1981(Reaff 2009	<) <1	2 MPN/100 ml	
		b.Membrane filtration Method	IS 1622:1981(Reaff 2009) Pr	esent/Absent/100 ml	
2.	Drinking Water (IS 10500-2012)	Coliform a.MPN method:	IS 1622:1981(Reaff 2009	<)	2 MPN/100 ml	
		b.Membrane filtration Method	IS 1622:1981(Reaff 2009) Pr	esent/Absent/100 ml	
		Faecal Coliform a.MPN method:	IS 1622:1981(Reaff 2009	() < 1	2 MPN/100 ml	
		b.Membrane filtration Method	IS 1622:1981(Reaff 2009) Pr	esent/Absent/100 ml	
		Thermotolerant coliform or E.coli				
		a.MPN method:	IS 1622:1981(Reaff 2009	< 2	2 MPN/100 ml	
		b.Membrane filtration Method	IS 1622:1981(Reaff 2009) Pr	esent/Absent/100 ml	
3.	Water for Processed Food industry	Standard plate count	IS 1622:1981(Reaff 2009) 10	cfu/ml & above	
	(IS 4251:1967)	Coliform a.MPN method:	IS 1622:1981(Reaff 2009	<) <1	2 MPN/100 ml	
		b.Membrane filtration Method-Coliforms	IS 1622:1981(Reaff 2009) Pr	esent/Absent/100 ml	
		Proteolytic bacteria count	IS 4251-1967 R 2009	1 0	cfu/ml & above	

IS 4251-1967 R 2009

1 cfu/ml & above

Lipolytic bacteria count

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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
		Thermophilic bacterial Count	IS 4251-1967 R 2009	1 cfu/ml & above
4.	Packaged Drinking Water.	Total viable colony count@ 37°C for 24 hrs.	IS 5402:2002 R.2007	1 cfu/ml & above
	(Other than Packaged Mineral Water. (IS 14543:2004) Packaged Natural Mineral Water. (IS 13428:2005)	Total viable colony count at 22°C for 72 hrs.	IS 5402:2002 R.2007	1 cfu/ml & above
		Coliforms	IS 15185:2002 R 2009	Present/Absent/250 ml
		E.coli	IS 15185:2002 R 2009	Present/Absent/250 ml
		Faecal streptococci	IS 15186:2002 R 2009	Present/Absent/250 ml
		S.aureus	IS 5887 Part 2-1976(Reaff 2005)	Present/Absent/250 ml
		Shigella spp	IS 5887 Part 7-1999(Reaff 2005)	Present/Absent/250 ml
		Salmonella spp	IS 15187:2002 R 2009	Present/Absent/250 ml
		Pseudomonas aeruginosa	IS 13428:Annex D 2005 R 2009	Present/Absent/250 ml
		Sulphite reducing anaerobes	IS 13428:Annex C 2005	Present/Absent/50 ml
		Vibrio cholera	IS 5887 Part 5-1976(Reaff 2009)	Present/Absent/250 ml
		Vibrio parahaemolyticus	IS 5887 Part 5-1976(Reaff 2009)	Present/Absent/250 ml
		Yeast and Mould	IS 5403:1999(Reaff 2009)	Present/Absent/250 ml

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