

Laboratory **SGS India Private Limited, 24/155554A, Aspinwell Building, Subramanian Road, Willingdon Island, Cochin**

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Biological Testing** **Issue Date** **25.08.2013**

Certificate Number **T-0425** **Valid Until** **24.08.2015**

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. FOOD AND AGRICULTURAL PRODUCTS				
a)	Tea	Total Plate count	FDA-BAM 2011(Chap-3)/ ISO 4833-2003 (E)	<1x10cfu/g
		Escherichia coli count	FDA-BAM 2011(Chap-4)/ Rev. Feb 2013 ISO 7251-1993	<3.0 MPN/gm
		Total coliforms count	FDA-BAM 2011(Chap-4 / Rev. Feb 2013 ISO 4832-2006 (E)	<3.0 MPN/gm
		Staphylococcus aureus	FDA-BAM 2011(Chap-12)/ ISO 6888-2003	<1x10 cfu/g
		Detection of salmonella spl	FDA-BAM 2011(Chap-5)/ Ver. Nov 2011Rev Aug 2012 ISO 6579-2002/Amd1.2007 (E)	Present/Absent in 25g
		Yeast and mould	FDA-BAM2011(Chap 18,Volume 2)	<1 cfu/gm
		Bacillus cereus	FDA-BAM2011(Chap 14,Volume 2)	<1x10 cfu/g
b)	Coffee, Cocoa products	Total Plate count	FDA-BAM 2011(Chap-3)/ ISO 4833-2003 (E)	<1x10cfu/g
		Escherichia coli count	FDA-BAM 2011(Chap-4)/ ISO 7251-1993	<3.0MPN/gm
		Total coliforms count	FDA-BAM 2001(Chap-4 / ISO 4832-2006 (E)	<3.0MPN/gm
		Staphylococcus aureus	FDA-BAM 2001(Chap-12)/ ISO 6888-2003	<1x10cfu/g
		Detection of salmonella sp	FDA-BAM 2011(Chap-5)/ ISO 6579-2002/Amd1.2007 (E)	Present/Absent in 25g
		Yeast and mould	FDA-BAM2011(Chap 18,Volume 2)	<1 cfu/gm
		Bacillus cereus	FDA-BAM2011(Chap 14,Volume 2)	<1x10 cfu/g

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c)	Fish & Fishery products (Raw and Frozen shrimps cephalopods, frozen fish crustacians) (Frozen & Raw)	Total Plate count	FDA-BAM 2011(Chap-3)/ ISO 4833-2003 (E)	<1x10cfu/g
		Escherichia coli count	FDA-BAM 2011(Chap-4) /ISO 7251-1993	<3.0MPN/gm
		Total coliforms count	FDA-BAM 2011(Chap-4 / ISO 4832-2006 (E)	<3.0MPN/gm
		Staphylococcus aureus	FDA-BAM 2011(Chap-12)/ ISO 6888-2003	<1x10cfu/g
		Detection of salmonella sp	FDA-BAM 2011(Chap-5) Volume I /ISO 6579-2002/Amd1.2007 (E)	Present/Absent in 25g
		Clostridium perfringens count	FDA-BAM 2011(Chap-16)/ ISO 7932:2004(E)	<1x10cfu/g
		Detection shigella	FDA-BAM 2011(Chap-6)	Present/Absent in 25g
		Detection of vibrio cholera	FDA-BAM 2011(Chap-9)	Present/Absent in 25g
		Detection of vibrio parahaemolyticus	FDA-BAM 2011(Chap-9)	Present/Absent in 25g
		Detection of vibrio vulnificus	FDA-BAM 2011(Chap-9)	Present/Absent in 25g
		Enumeration of Enterobacteriaceae	ISO 21528-2004(E)	<1x10cfu/g
		Detection of Listeria monocytogens	FDA-BAM 2011(Chap-10)/ ISO 11290-1, 1998 (E)	Present/Absent in 25g
		Yeast and mould	FDA-BAM2011(Chap 18, Volume 2)	<1 cfu/gm
Bacillus cereus	FDA-BAM2011(Chap 14, Volume 2)	<1x10 cfu/g		
d)	Milk & Dairy Products	Total Plate count	FDA-BAM 2011(Chap-3)/ ISO 4833-2003 (E)	<1x10cfu/g or ml
		Escherichia coli count	FDA-BAM 2011(Chap-4) /ISO 7251-1993	<3.0MPN/gm or ml
		Total coliforms count	FDA-BAM 2011(Chap-4 / ISO 4832-2006 (E)	<3.0MPN/gm or ml

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		Staphylococcus aureus	FDA-BAM 2011(Chap-12)/ ISO 6888-2003	<1x10cfu/g or ml
		Detection of salmonella sp	FDA-BAM 2011(Chap-5)/ ISO 6579-2002/Amd1.2007 (E)	Present/Absent in 25g or ml
		Yeast and mould	FDA-BAM2011(Chap 18,Volume 2)	<1 cfu/gm
		Bacillus cereus	FDA-BAM2011(Chap 14,Volume 2)	<1x10 cfu/g
e)	Spices oil & Oleoresins	Total Plate count	FDA-BAM 2011(Chap-3)/ ISO 4833-2003 (E)	<1x10cfu/g or ml
		Escherichia coli count	FDA-BAM 2011(Chap-4)/ ISO 7251-1993	<3.0MPN/gm or ml
		Total coliforms count	FDA-BAM 2001(Chap-4 / ISO 4832-2006 (E)	<3.0MPN/gm or ml
		Staphylococcus aureus	FDA-BAM 2001(Chap-12)/ ISO 6888-2003	<1x10cfu/g or ml
		Detection of salmonella sp	FDA-BAM 2001(Chap-5)/ ISO 6579-2002/Amd1.2007 (E)	Present/Absent in 25g or ml
		Enumeration of Enterobacteriaceae	ISO 21528-2004(E)	<10cfu/g or ml
		Yeast and mould	FDA-BAM2011(Chap 18,Volume 2)	<1 cfu/gm
		Bacillus cereus	FDA-BAM2011(Chap 14,Volume 2)	<1x10 cfu/g

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f)	Non alcoholic Beverages	Total Plate count	FDA-BAM 2011(Chap-3)/ ISO 4833-2003 (E)	<1x10cfu/g or ml
		Escherichia coli count	FDA-BAM 2011(Chap-4)/ ISO 7251-1993	<3.0MPN/gm or ml
		Total coliforms count	FDA-BAM 2011(Chap-4 / ISO 4832-2006 (E)	<3.0MPN/gm or ml
		Staphylococcus aureus	FDA-BAM 2011(Chap-12)/ISO 6888- 2003	<1x10cfu/g or ml
		Detection of salmonella sp	FDA-BAM 2011(Chap-5)/ISO 6579- 2002/Amd1.2007 (E)	Present/Absent in 25g or ml
		Yeast and mould Bacillus cereus	FDA-BAM2011(Chap 18,Volume 2) FDA-BAM2011(Chap 14,Volume 2	<1 cfu/gm <1x10 cfu/g
g)	Confectionery products	Total Plate count	FDA-BAM 2011(Chap-3)/ ISO 4833-2003 (E)	<1x10cfu/g
		Escherichia coli count	FDA-BAM 2011(Chap-4)/ ISO 7251-1993	<3.0MPN/gm
		Total coliforms count	FDA-BAM 2011(Chap-4 / ISO 4832-2006 (E)	<3.0MPN/gm
		Staphylococcus aureus	FDA-BAM 2011(Chap-12)/ ISO 6888-2003	<1x10cfu/g
		Detection of salmonella sp	FDA-BAM 2011(Chap-5)/ ISO 6579-2002/Amd1.2007 (E)	Present/Absent in 25g
		Yeast and mould Bacillus cereus	FDA-BAM2011(Chap 18,Volume 2) FDA-BAM2011(Chap 14,Volume 2	<1 cfu/gm <1x10 cfu/g
h)	Cereals, pulses & cereals products	Total Plate count	FDA-BAM 2011(Chap-3)/ ISO 4833-2003 (E)	<1x10cfu/g
		Escherichia coli count	FDA-BAM 2011(Chap-4)/ ISO 7251-1993	<3.0MPN/gm

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		Total coliforms count	FDA-BAM 2011(Chap-4 / ISO 4832-2006 (E)	<3.0MPN/gm
		Staphylococcus aureus	FDA-BAM 2011(Chap-12)/ ISO 6888-2003	<1x10cfu/g
		Detection of salmonella sp	FDA-BAM 2011(Chap-5)/ ISO 6579-2002/Amd1.2007 (E)	Present/Absent in 25g
		Yeast and mould Bacillus cereus	FDA-BAM2011(Chap 18,Volume 2) FDA-BAM2011(Chap 14,Volume 2	<1 cfu/g <1x10 cfu/g
i)	Fruit and vegetable Raw and processing	Total Plate count	FDA-BAM 2011(Chap-3)/ ISO 4833-2003 (E)	<1x10cfu/g
		Escherichia coli count	FDA-BAM 2011(Chap-4)/ ISO 7251-1993	<3.0MPN/gm
		Total coliforms count	FDA-BAM 2011(Chap-4 / ISO 4832-2006 (E)	<3.0MPN/gm
		Staphylococcus aureus	FDA-BAM 2011(Chap-12)/ ISO 6888-2003	<1x10cfu/g
		Detection of salmonella sp	FDA-BAM 2011(Chap-5)/ ISO 6579-2002/Amd1.2007 (E)	Present/Absent in 25g
		Clostridium perfringens count	FDA-BAM 2011(Chap-16)/ ISO 7932:2004(E)	<1x10cfu/g
		Enumeration of Enterobacteriaceae	ISO 21528-2004(E)	<1x10cfu/g

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		Yeast and mould	FDA-BAM2011(Chap 18,Volume 2)	<1 cfu/gm
		Bacillus cereus	FDA-BAM2011(Chap 14,Volume 2)	<1x10 cfu/g
j)	Whole ground spices & Condiments	Total Plate count	FDA-BAM 2011(Chap-3)/ ISO 4833-2003 (E)	<1x10cfu/g
		Escherichia coli count	FDA-BAM 2011(Chap-4)/ ISO 7251-1993	<3.0MPN/gm
		Total coliforms count	FDA-BAM 2011(Chap-4 / ISO 4832-2006 (E)	<3.0MPN/gm
		Staphylococcus aureus	FDA-BAM 2011(Chap-12)/ ISO 6888-2003	<1x10cfu/g
		Detection of salmonella sp	FDA-BAM 2011(Chap-5)/ ISO 6579-2002/Amd1.2007 (E)	Present/Absent in 25g
		Clostridium perfringens count	FDA-BAM 2011(Chap-16)/ ISO 7932:2004(E)	<1x10cfu/g
		Enumeration of Enterobacteriaceae	ISO 21528-2004(E)	<1x10cfu/g
		Yeast and mould	FDA-BAM2011(Chap 18,Volume 2)	<1 cfu/gm
		Bacillus cereus	FDA-BAM2011(Chap 14,Volume 2)	<1x10 cfu/g
k)	Nuts & Nut products	Total Plate count	FDA-BAM 2011(Chap-3)/ ISO 4833-2003 (E)	<1x10cfu/g
		Escherichia coli count	FDA-BAM 2011(Chap-4)/ ISO 7251-1993	<3.0MPN/gm
		Total coliforms count	FDA-BAM 2011(Chap-4 / ISO 4832-2006 (E)	<3.0MPN/gm
		Staphylococcus aureus	FDA-BAM 2011(Chap-12)/ ISO 6888-2003	<1x10cfu/g
		Detection of salmonella sp	FDA-BAM 2011(Chap-5)/ ISO 6579-2002/Amd1.2007 (E)	Present/Absent in 25g

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		Yeast and mould	FDA-BAM2011(Chap 18,Volume 2)	<1 cfu/gm
		Bacillus cereus	FDA-BAM2011(Chap 14,Volume 2)	<1x10 cfu/g
1)	Egg Products	Total Plate count	FDA-BAM 2011(Chap-3)/ ISO 4833-2003 (E)	<1x10cfu/g
		Escherichia coli count	FDA-BAM 2011(Chap-4)/ ISO 7251-1993	<3.0MPN/gm
		Total coliforms count	FDA-BAM 2011(Chap-4 / ISO 4832-2006 (E)	<3.0MPN/gm
		Staphylococcus aureus	FDA-BAM 2011(Chap-12)/ ISO 6888-2003	<1x10cfu/g
		Detection of salmonella sp	FDA-BAM 2011(Chap-5)/ ISO 6579-2002/Amd1.2007 (E)	Present/Absent in 25g
		Clostridium perfringens count	FDA-BAM 2011(Chap-16)/ ISO 7932:2004(E)	<1x10cfu/g
		Enumeration of Enterobacteriaceae	ISO 21528-2004(E)	<1x10cfu/g
		Yeast and mould	FDA-BAM2011(Chap 18,Volume 2)	<1 cfu/gm
		Bacillus cereus	FDA-BAM2011(Chap 14,Volume 2)	<1x10 cfu/g

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II. COSMETICS

a.	Cosmetics finished products Talcum powder Shampoo Face cream Aloe vera cream	Total Plate count	FDA-BAM 2011(Chap-3)/ ISO 4833-2003 (E)	<1x10cfu/g or ml
		Staphylococcus aureus	FDA-BAM 2011(Chap-12)/ ISO 6888-2003	<1x10 cfu/g or ml
		Detection of salmonella sp	FDA-BAM 2011(Chap-5)/ ISO 6579-2002/Amd1.2007 (E)	Present/Absent in 25g
		Enumeration of Pseudomonas aeruginosa	FDA-BAM2011(Chap 23,Volume 3)	Present/Absent in 25g
		Enumeration of enterobacteriaceae	ISO 21528 2004 (E)	<1x10 cfu/g or ml
		Yeast and mould Bacillus cereus	FDA-BAM2011(Chap 18,Volume 2) FDA-BAM2011(Chap 14,Volume 2)	<1 cfu/ml <1x10 cfu/ml

III. WATER

a.	Water & Waste water, Mineral water, Industrial water, Effluent & sewage water	Total Plate count	APHA 21 st Ed. 2005	<1 cfu/ml
		MPN of total coliforms	APHA 21 st Ed. 2005	<1.1 MPN/100ml
		MPN of Faecal coliforms	APHA 21 st Ed. 2005	<1.1 MPN/100ml
		MPN of Escherichia coli	APHA 21 st Ed. 2005	<1.1 MPN/100ml
		Detection salmonella sp.	APHA 21 st Ed. 2005	Present/Absent in 250ml
		Detection of Vibrio cholerae	APHA 21 st Ed. 2005	Present/Absent in 250ml
		Clostridium perfringens	APHA 21 st Ed. 2005	Present/Absent in 50ml

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		Clostridium sp.	APHA 21 st Ed. 2005/ IS 13428 -2005	Present/Absent in 50ml
		MPN of Faecal streptococcus Yeast and mould	APHA 21 st Ed. 2005 FDA-BAM2011(Chap 18,Volume 2)	<1.1 MPN/100ml <1 cfu/ml
b.	Potable Water	Total Plate count	IS 10500 (IS 1622)	<1 cfu/ml
		Total coliforms	IS 10500 (IS 1622)	<1.0 MPN/100ml
		Faecal coliforms	IS 10500 (IS 1622)	<1.0 MPN/100ml
		MPN of Escheriachia coli	IS 10500 (IS 1622)	<1.0 MPN/100ml

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