

Laboratory	Accurate Analytic (General Purpose Laboratory), Nikarthil Road, Thoppumpady P. O., Kochi, Kerala		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	21.07.2015
Certificate Number	T-2551	Valid Until	20.07.2017
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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 & AGRICULTURAL PRODUCTS			
1.	Meat products, (Raw, Frozen, Processed, Marinated)	Aerobic Plate count	USFDA BAM (8 th Edition): 2001 Chapter 3	≥10 CFU /g
		Escherichia coli	USFDA BAM (8 th Edition): 2002 Chapter 4	≥10 CFU /g <3 MPN/g- >1100 MPN/g
		Coliforms	USFDA BAM (8 th Edition): 2002 Chapter 4	≥10 CFU /g <3 MPN/g- >1100 MPN/g
		Staphylococcus Aureus	USFDA BAM (8 th Edition): 2001 Chapter 12	≥10 CFU /g
		Salmonella	USFDA BAM (8 th Edition): 2014 Chapter 5	Qualitative (Present/ Absent)/25 g
2.	Sea foods, Fish (Raw, Frozen, Processed, Marinated)	Aerobic Plate Count	USFDA BAM (8 th Edition): 2001 Chapter 3	≥10 CFU /g
		Escherichia coli	USFDA BAM (8 th Edition): 2002 Chapter 4	≥10 CFU /g
		Coliforms	USFDA BAM (8 th Edition): 2002 Chapter 4	<3 MPN/g- >1100 MPN/g
		Staphylococcus aureus	USFDA BAM (8 th Edition): 2001 Chapter 12	≥10 CFU /g
		Salmonella	USFDA BAM (8 th Edition): 2014 Chapter 5	Qualitative (Present/ Absent)/25 g

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3.	Herbs, Spices & Condiments (Coriander, Slurry, Curry powder, Pepper, Chilli, Turmeric, Ginger & Fenugreek)	Aerobic plate count	USFDA BAM (8 th Edition): 2001 Chapter 3	≥10 CFU /g
		Escherichia coli	USFDA BAM (8 th Edition): 2002 Chapter 4	≥10 CFU /g
		Coliforms	USFDA BAM (8 th Edition): 2002 Chapter 4	<3 MPN/g- >1100 MPN/g
		Salmonella	USFDA BAM (8 th Edition): 2014 Chapter 5	Qualitative (Present/ Absent)/25 g
4.	Fruits, Vegetables (Raw, Canned, Semiprocessed, ready to eat, Pulp, Juices)	Aerobic plate count	USFDA BAM (8 th Edition): 2001 Chapter 3	≥10 CFU /g
		Yeast	USFDA BAM (8 th Edition): 2001 Chapter 18	≥10 CFU /g
		Mould	USFDA BAM (8 th Edition): 2001 Chapter 18	≥10 CFU /g
		Coliforms	USFDA BAM (8 th Edition): 2002 Chapter 4	<3 MPN/g- >1100 MPN/g
		Escherichia coli	USFDA BAM (8 th Edition): 2002 Chapter 4	≥10 CFU /g
		Salmonella	USFDA BAM (8 th Edition): 2014 Chapter 5	Qualitative (Present/ Absent)/25 g
5.	Processed Food (Rice, Curry, Snacks, Cooked etc)	Aerobic plate count	USFDA BAM (8 th Edition): 2001 Chapter 3	≥10 CFU /g
		Coliforms	USFDA BAM (8 th Edition): 2002 Chapter 4	<3 MPN/g- >1100 MPN/g

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	Processed Food (Rice, Curry, Snacks, Cooked etc)	Escherichia coli	USFDA BAM (8 th Edition): 2002 Chapter 4	≥10 CFU /g
		Salmonella	USFDA BAM (8 th Edition): 2011 Chapter 5	Qualitative (Present/ Absent)/25 g
II.	WATER			
1.	Water	TPC	APHA (22 nd Edition) 9215 B: 2012 IS 1622: 1981 (RA 2003)	≥10 CFU /ml
		Coliforms	APHA (22 nd Edition) 9221 B: 2012 IS 1622: 1981 (RA 2003)	<1.8 MPN- >1600 MPN/100 ml <2 MPN- >1600 MPN/100 ml
		Fecal coliforms	APHA (22 nd Edition): 2012 IS 1622: 1981 (RA 2003)	<1.8 MPN- >1600 MPN/100 ml <2 MPN- >1600 MPN/100 ml
		E.coli	APHA (22 nd Edition) 9221 G: 2012 IS 1622: 1981 (RA 2003)	<1.8 MPN- >1600 MPN/100 ml <2 MPN- >1600 MPN/100 ml
III.	ENVIRONMENT AND POLLUTION			
1.	Air	Total Plate count	APHA (4 th Edition): 2001, Chapter 3	≥1 cfu/ plate/15 min
		Yeast & Mold	APHA (4 th Edition): 2001, Chapter 3	≥1 cfu/ plate/15 min
		Coliforms	APHA (4 th Edition): 2001, Chapter 3	≥1 cfu/ plate/15 min

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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
2.	Swabs (From workers Hand, Uniform, Equipment & Food Container Surface)	Total Plate count	APHA (4 th Edition): 2001, Chapter 3 / ISO 18593: 2005	≥4 cfu/ cm ²
		Yeast & Mold	APHA (4 th Edition): 2001, Chapter 3/ ISO 18593: 2005	≥4 cfu/ cm ²
		Coliforms	APHA (4 th Edition): 2001, Chapter 3/ ISO 18593: 2005	≥4 cfu/ cm ²

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