

Laboratory **d Technology Private Limited, Unit No. 19, Building F8, Bhoomi Industrial Park, Pimplas, Mumbai-Nasik Highway, Thane, Maharashtra**

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

Certificate Number **TC-7087**

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Validity **27.03.2018 to 26.03.2020**

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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BIOLOGICAL TESTING

I.	FOOD & AGRICULTURAL PRODUCTS			
1.	Canned & Processed Foods	Aerobic Plate Count	IS: 5402	≥10 cfu/g ≥1 cfu/ml
		Yeast & Mould Count	IS: 5403	≥10 cfu/g ≥1 cfu/ml
		Coliform count	IS: 5401 (Part 1)	≥10 cfu/g ≥1 cfu/ml
		E.coli	IS: 5887 (Part 1)	Qualitative Presence/Absence/25g /ml
		S.aureus	IS: 5887 (Part 2)	Qualitative Presence/Absence/25g /ml
2.	Cereals, Pulses & Products	Aerobic Plate Count	IS: 5402	≥10 cfu/g ≥1 cfu/ml
		Yeast & Mould Count	IS: 5403	≥10 cfu/g ≥1 cfu/ml
		Coliform count	IS: 5401 (Part 1)	≥10 cfu/g ≥1 cfu/ml
		E.coli	IS: 5887 (Part 1)	Qualitative Presence/Absence/25g /ml
		S.aureus	IS: 5887 (Part 2)	Qualitative Presence/Absence/25g /ml
		Bacillus cereus	IS: 5887 (Part 5)	≥10 cfu/g
3.	Fish & Sea Foods Products	Aerobic Plate Count	IS: 5402	≥10 cfu/g ≥1 cfu/ml
		Yeast & Mould Count	IS: 5403	≥10 cfu/g ≥1 cfu/ml

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		Coliform count	IS: 5401 (Part 1)	≥10 cfu/g ≥1 cfu/ml
		E.coli	IS: 5887 (Part 1)	Qualitative Presence/Absence/25g/ml
		S.aureus	IS: 5887 (Part 2)	Qualitative Presence/Absence/25g/ml
		Vibrio parahaemolyticus	IS: 5887 (Part 6)	Qualitative Presence/Absence/25g/ml
		Vibrio harveyi	DT/MOA/M.01	Qualitative Presence/Absence/25g/ml
4.	Herbs, Spices & Condiments (Whole, Blended, Grinded, Mixed)	Aerobic Plate Count	IS: 5402	≥10 cfu/g ≥1 cfu/ml
		Yeast & Mould Count	IS: 5403	≥10 cfu/g ≥1 cfu/ml
		Coliform count	IS: 5401 (Part 1)	≥10 cfu/g ≥1 cfu/ml
		E.coli	IS: 5887 (Part 1)	Qualitative Presence/Absence/25g/ml
		S.aureus	IS: 5887 (Part 2)	Qualitative Presence/Absence/25g/ml
5.	Infant Foods	Aerobic Plate Count	IS: 5402	≥10 cfu/g ≥1 cfu/ml
		Yeast & Mould Count	IS: 5403	≥10 cfu/g ≥1 cfu/ml
		Coliform count	IS: 5401 (Part 1)	≥10 cfu/g ≥1 cfu/ml
		E.coli	IS: 5887 (Part 1)	Qualitative Presence/Absence/25g/ml

Vinay Kumar Tyagi
Convenor

N. Venkateswaran
Program Director

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		S.aureus	IS: 5887 (Part 2)	Qualitative Presence/Absence/25g /ml
6.	Jams , Juices , Sauces & Concentrates	Aerobic Plate Count	IS: 5402	≥10 cfu/g ≥1 cfu/ml
		Yeast & Mould Count	IS: 5403	≥10 cfu/g ≥1 cfu/ml
		Coliform count	IS: 5401 (Part 1)	≥10 cfu/g ≥1 cfu/ml
		E.coli	IS: 5887 (Part 1)	Qualitative Presence/Absence/25g /ml
		S.aureus	IS: 5887 (Part 2)	Qualitative Presence/Absence/25g /ml
7.	Meat & Meat Products	Aerobic Plate Count	IS: 5402	≥10 cfu/g ≥1 cfu/ml
		Yeast & Mould Count	IS: 5403	≥10 cfu/g ≥1 cfu/ml
		Coliform count	IS: 5401 (Part 1)	≥10 cfu/g ≥1 cfu/ml
		E.coli	IS: 5887 (Part 1)	Qualitative Presence/Absence/25g /ml
		S.aureus	IS: 5887 (Part 2)	Qualitative Presence/Absence/25g /ml
8.	Milk & Dairy Products and Whipped Topping (Cream)	Aerobic Plate Count	IS: 5402	≥10 cfu/g ≥1 cfu/ml
		Yeast & Mould Count	IS: 5403	≥10 cfu/g ≥1 cfu/ml
		Coliform count	IS: 5401 (Part 1)	≥10 cfu/g ≥1 cfu/ml

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		E.coli	IS: 5887 (Part 1)	Qualitative Presence/Absence/25g/ml
		S.aureus	IS: 5887 (Part 2)	Qualitative Presence/Absence/25g/ml
9.	Poultry & Poultry Products	Aerobic Plate Count	IS: 5402	≥10 cfu/g ≥1 cfu/ml
		Yeast & Mould Count	IS: 5403	≥10 cfu/g ≥1 cfu/ml
		Coliform count	IS: 5401 (Part 1)	≥10 cfu/g ≥1 cfu/ml
		E.coli	IS: 5887 (Part 1)	Qualitative Presence/Absence/25g/ml
		S.aureus	IS: 5887 (Part 2)	Qualitative Presence/Absence/25g/ml
10.	Vegetable & Vegetable Products	Aerobic Plate Count	IS: 5402	≥10 cfu/g ≥1 cfu/ml
		Yeast & Mould Count	IS: 5403	≥10 cfu/g ≥1 cfu/ml
		Coliform count	IS: 5401 (Part 1)	≥10 cfu/g ≥1 cfu/ml
		E.coli	IS: 5887 (Part 1)	Qualitative Presence/Absence/25g/ml
		S.aureus	IS: 5887 (Part 2)	Qualitative Presence/Absence/25g/ml
11.	Sugar & Sugar Products	Aerobic Plate Count	IS: 5402	≥10 cfu/g ≥1 cfu/ml
		Yeast & Mould Count	IS: 5403	≥10 cfu/g ≥1 cfu/ml

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		Coliform count	IS: 5401 (Part 1)	≥10 cfu/g ≥1 cfu/ml
		E.coli	IS: 5887 (Part 1)	Qualitative Presence/Absence/25g/ml
		S.aureus	IS: 5887 (Part 2)	Qualitative Presence/Absence/25g/ml
12.	Snacks & Instant Mixes	Aerobic Plate Count	IS: 5402	≥10 cfu/g ≥1 cfu/ml
		Yeast & Mould Count	IS: 5403	≥10 cfu/g ≥1 cfu/ml
		Coliform count	IS: 5401 (Part 1)	≥10 cfu/g ≥1 cfu/ml
		E.coli	IS: 5887 (Part 1)	Qualitative Presence/Absence/25g/ml
		S.aureus	IS: 5887 (Part 2)	Qualitative Presence/Absence/25g/ml
II.	BIOCIDES			
1.	(Chemical disinfectants and antiseptics)			
a.	Bactericides	Bactericidal activity	BS EN: 1276	1 to 6 log reduction
b.	Fungicides	Fungicidal activity	BS EN: 1650	1 to 5 log reduction
c.	Sporicides	Sporicidal activity	BSEN: 13704	1 to 5 log reduction
d.	Antiseptics and Disinfectants and Sanitizers	Antimicrobial activity	BS EN: 1040	1 to 6 log reduction
III.	COSMETICS & ESSENTIAL OILS			
1.	Cosmetics & Essential Oils	Time Kill Test	ASTM E-2315	1 to 5 log reduction
		Preservative Efficacy Testing	ISO: 11930	1 to 6 log reduction

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CHEMICAL TESTING

I. FOOD & AGRICULTURAL PRODUCTS				
1.	Bakery Products	Peroxide Value	IS: 12711	0.5 mEq/kg to 50 mEq/kg
		Moisture	IS: 12711	0.2% to 40%
		pH	IS: 1483	1 to 14
2.	Fruit & Vegetable Products	Titrateable Acidity	FSSAI Lab Manual 5	0.05% to 40%
		pH	FSSAI Lab Manual 5	1 to 14
3.	Milk & Dairy Products	Titrateable Acidity	IS: 11766	0.03% to 40%
4.	Cereals, Pulses & Products	Moisture	IS: 1155, FSSAI Lab Manual 3	0.5% to 40%
		Alcoholic Acidity	IS: 1155, FSSAI Lab Manual 3	0.1% to 10%
5.	Ready to eat Vegetarian / Non-Vegetarian Products	Moisture	FSSAI Lab Manual 5	1% to 75%
6.	Beverages (Carbonated / Non-carbonated)	Total Acidity	FSSAI Lab Manual 4	0.05% to 10%
7.	Edible Oil, Fat & Products	Free Fatty Acids	IS: 548 (Part 1)	0.01% to 15%
		Peroxide value	IS: 548 (Part 1)	0.5% to 80 mEq/kg
		Moisture	IS: 548 (Part 1)	0.01% to 10%

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