

Laboratory **Daffocare Research Laboratory LLP, 401, 402, 502, Indraprasth Corporate, Prahaladnagar, Ahmedabad, Gujarat**

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

Certificate Number **TC-8270**

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Validity **10.01.2019 to 09.01.2021**

Last Amended on --

"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

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.	Carbonated & Non-Carbonated Beverages	Aerobic colony count/ Bacterial count/ Total Plate count	IS 5402	≥ 10 cfu/g or mL
		Yeast & moulds	IS 5403	≥ 10 cfu/g or mL
		Escherichia coli	IS 5887 (Part 1)	Qualitative (Detection per 1g or 1mL)
2.	Herbs and Spices	Coliforms	IS 5401 (Part 1)	≥ 10 cfu/g or mL
		Aerobic colony count/ Bacterial count/ Total plate count	IS 5402	≥ 10 cfu/g
		Yeast & moulds	IS 5403	≥ 10 cfu/g
		Escherichia coli	IS 5887 (Part 1)	Qualitative (Detection per 1 g)
3.	Milk and Dairy Products	Coliforms	IS 5401 (Part 1)	≥ 10 cfu/g
		Aerobic colony count/ Bacterial count/ Total plate count	IS 5402	≥ 10 cfu/g or mL
		Yeast & moulds	IS 5403	≥ 10 cfu/g or mL
		Escherichia coli	IS 5887 (Part 1)	Qualitative (Detection per 1g or 1mL)
4.	Ready to Eat	Coliforms	IS 5401 (Part 1)	≥ 10 cfu/g or mL
		Aerobic colony count/ Bacterial count/ Total plate count	IS 5402	≥ 10 cfu/g or mL
		Yeast & moulds	IS 5403	≥ 10 cfu/g or mL
		Escherichia coli	IS 5887 (Part 1)	Qualitative

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				(Detection per 1g or 1mL)
		Coliforms	IS 5401 (Part 1)	≥ 10 cfu/g or mL
5.	Tea and Tea Products	Aerobic colony count/ Bacterial count/ Total plate count	IS 5402	≥ 10 cfu/g or mL
		Yeast & moulds	IS 5403	≥ 10 cfu/g or mL
		Escherichia coli	IS 5887 (Part 1)	Qualitative (Detection per 1g or 1mL)
		Coliforms	IS 5401 (Part 1)	≥ 10 cfu/g or mL
II.	WATER			
1.	Packaged Natural Mineral Water, Packaged Drinking Water & Drinking Water	Aerobic microbial count (at 22 °C)	IS 5402	≥ 1 cfu/mL
		Aerobic microbial count (at 37 °C)	IS 5402	≥ 1 cfu/mL
		Yeast & moulds	IS 5403	Qualitative (Detection per 250 mL)
		Escherichia coli	IS 15185	Qualitative (Detection per 100 mL or 250 mL)
		Coliforms	IS 15185	Qualitative (Detection per 100 mL or 250 mL)
		Pseudomonas	IS 13428	Qualitative (Detection per 250 mL)
		Salmonella	IS 15187	Qualitative (Detection per 250 mL)

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CHEMICAL TESTING

I.	FOOD & AGRICULTURAL PRODUCTS			
1.	Edible Oils & Fats	Baudouin test	IS 548 (Part 2)	Qualitative
		Test for mineral oil	IS 548 (Part 2)	Qualitative
		Test for castor oil	IS 548 (Part 2)	Qualitative
		Test for cottonseed oil	IS 548 (Part 2)	Qualitative
		Acid Value	IS 548 (Part 1)	0 to 30
		Moisture	IS 548 (Part 1)	0 to 20
		Free fatty acid	IS 548 (Part 1)	0 to 20
		Reichert-meissl value	IS 548 (Part 1)	0.5 to 50
		Butyro refractometer	FSSAI Manual: Oil & Fats, 2016	15 to 75
2.	Cereal Pulses & Cereal Products	Ash	IS 1155 IS 1009 IS 2400	0.1 % to 10.0 %
		Moisture	IS 1155 IS 1009 IS 2400	0.5 % to 30 %
		Ash insoluble in dilute HCl	IS 1155 IS 1009 IS 2400	0.01 % to 5.0 %
		Gluten	IS 1009 IS 2400	1 % to 50 %
		Protein	FSSAI manual Cereal & Cereal Products, 2016	3 % to 50 %
		Alcoholic acidity (with 90 % alcohol calculated as H ₂ SO ₄ on dry basis)	IS 1009 IS 1155	0.04 % to 5 %
3.	Namkeen	Moisture	IS 15271	0.5 % to 30.0 %
		Fat (on dry basis)	IS 152	0.5 % to 80.0 %

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4.	Herbs, Spices & Condiments	Test for chromate in turmeric	IS 3576	Qualitative
		Detection of foreign matter	IS 1797	Qualitative
		Live and dead insects	ISO 927	Qualitative
		Detection of turmeric in chilli powder and coriander powder	FSSAI manual Spices & Condiments, 2015	Qualitative
		Moisture	IS 1797	0.1 % to 20.0 %
		Ash	IS 1797	0.5 % to 20.0 %
		Ash insoluble in dilute	IS 1797	0.01 % to 5.0 %
		Non-Volatile ether extract	IS 1797	0.5 % to 50.0 %
5.	Bakery & Confectionary Products	Moisture	IS 12711	0.1 % to 30.0 %
		Total Ash	IS 12711	0.5 % to 5.0 %
		Ash insoluble in dilute	IS 12711	0.01 % to 3.0 %
6.	Milk & Milk Products	Test for sugar	IS 1479	Qualitative
		Test for starch	IS 1479	Qualitative
		Test for urea	IS 1479 (Part 1)	Qualitative
		Test for carbonates	IS 1479 (Part 1)	Qualitative