

Laboratory **Ramkrishna Bajaj-CFBP, Consumer Education & Testing Centre,
SNDT Women's University, Sir Vithaldas Vidyavihar, Juhu, Mumbai,
Maharashtra**

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

Certificate Number **TC-7746 (in lieu of T-2324)**

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Validity **22.08.2018 to 21.08.2020**

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
CHEMICAL TESTING				
I.	FOOD AND AGRICULTURAL PRODUCTS			
1.	Bakery & Confectionery Products			
a.	Biscuits	Moisture	IS 1011: 2002 (RA 2013)	1.0 to 10 g/100g
		Acid insoluble ash (On dry weight basis)	IS 1011: 2002 (RA 2013)	0.01 to 1 g/100g
		Acidity of extracted fat as oleic acid	IS 1011: 2002 (RA 2013)	0.01 to 2.5 g/100g
b.	Bakery products	Moisture	IS 12711: 1989 (RA 2015)	0.5 to 15 g/100g
		Total Ash (on dry basis)	IS 12711: 1989 (RA 2015)	0.1 to 5.0 g/100g
		Fat	IS 12711: 1989 (RA 2015)	0.5 to 35 g/100g
2.	Cereals, Pulses And Cereal Products			
a.	Macaroni, Spaghetti, Vermicelli and Egg Noodles	Moisture	IS 1485: 1993 (RA 2015)	1.0 to 20 g/100g
		Total Ash (on dry weight basis)	IS 1485: 1993 (RA 2015)	0.1 to 1 g/100g
b.	Besan	Moisture	IS 2400: 1976 (RA 2015)	2.0 to 20 g/100g
		Total Ash (on dry basis)	IS 2400: 1976 (RA 2015)	1.0 to 10 g/100g
		Protein (N x 6.25) (on dry basis)	IS 7219: 1973 (RA 2015)	10 to 40 g/100g
c.	Food grains	Moisture	IS 4333 (Part 2): 2017	0.1 to 30 g/100g
d.	Granola	Total Protein (N x 6.25) (On dry weight basis)	IS 7219: 1973 (RA 2015)	1 to 30 g/100g
3	Oils and Fats			
a.	Oils and Fats	Moisture	IS 548 (Part 1): 1964 (RA 2015)	0.01 to 20 g/100g
		Acid Value	IS 548 (Part 1): 1964 (RA 2015)	0.1 to 5.0
		Free Fatty Acid As oleic acid	IS 548 (Part 1): 1964 (RA 2015)	0.1 to 3.0

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		Iodine Value	IS 548 (Part 1): 1964 (RA 2015)	7.5 to 170
		Saponification Value	IS 548 (Part 1): 1964 (RA 2015)	10 to 300 mg/KOH
		Unsaponifiable matter	IS 548 (Part 1): 1964 (RA 2015)	0.01 to 10
		Peroxide Value	IS 548 (Part 1): 1964 (RA 2015)	0.1 to 50 meq/kg
		Argemone oil	FSSAI manual, 2015 – Oils and fats, 30	Quantitative (Present/Absent)
		Mineral oil	IS 548(Part II): 1976 (RA 2015)	Present/Absent
		Bellier Turbidity Temperature Test	IS 548(Part II): 1976 (RA 2015)	15 to 50 °C
4.	Milk and Dairy Products			
a.	Raw milk	Milk Fat	IS 1224 (Part 1): 1977 (RA 2018) /IS 13688: 1999 (RA 2013)	0. 2 to 9 g/100g
		Total milk solids	IS 1479 (Part 2): 1961 (RA 2018)	5.00 to 30.0 g/100g
		Detection of Starch	IS 1479 (Part 1): 2016	Quantitative (Present/Absent)
		Detection of Urea	IS 1479 (Part 1): 2016	Quantitative (Present/Absent)
		Detection of Cane Sugar	IS 1479 (Part 1): 2016	Quantitative (Present/Absent)
		Detection of formaldehyde	IS 1479 (Part 1): 2016	Quantitative (Present/Absent)
b.	Ice Cream	Total solids	IS 2802: 1964 (RA 2016)	20 to 40 g/100g
		Milk Fat	IS 2802: 1964 (RA 2016)	1.0 to 15 g/100g
		Titration Acidity as Lactic Acid	IS 2802: 1964 (RA 2016)	0.1 to 1.0
c.	Butter	Moisture	IS 3507: 1966 (RA 2018)	5 to 30 g/100g
		Titration Acidity as Lactic acid	IS 3507: 1966 (RA 2018)	0.01 to 3
		Milk Fat	IS 3507: 1966 (RA 2018)	50 to 90 g/100g
		Salt as NaCl	IS 3507: 1966 (RA 2018)	0.1 to 5 g/100g

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d.	Ghee	Reichert Meissl value	IS 3508: 1966 (RA 2018)	15 to 35
		Acid Value	IS 3508: 1966 (RA 2018) IS 548 (Part 1): 1964 (RA 2015)	0.01 to 5
		Peroxide Value	IS 3508: 1966 (RA 2018)	0.01 to 2 meq/kg
		Baudouin Test	IS 3508: 1966 (RA 2018)	Quantitative (Present/Absent)
e.	Dairy Whitener	Moisture	FSSAI Manual, 2016 Milk & milk products, 10.2	0.2 to 10 g/100g
		Ash	IS 14433: 2007 (RA 2018) IS 1479 (Part 2): 1961 (RA 2018)	0.1 to 10 g/100g
		Acid Insoluble Ash	IS 14433: 2007 (RA 2018)	0.01 to 0.5 g/100g
f.	Sweets (Mithai)	Fat	IS 11721: 2013	5 to 70 g/100g
		Total Protein	IS 1479 (Part-2): 1961 (RA 2018)	1 to 60 g/100g
5.	Jam, Juices, Sauces & Concentrates			
a.	Fruit Juices	Specific gravity 20/20°C	IS 2860: 1964 (RA 2018)	0.9000 to 1.500
		pH	FSSAI Manual, 2016, Fruits & vegetable products, 2.3	1.0 to 14.0
		Acidity as Citric acid	IS 2860: 1964 (RA 2018)	0.01 to 5%
b.	Ketchup	Total Soluble Solids	IS 3882: 1966 (RA 2013)	10 to 50 g/100g