



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

**Laboratory** Geo-Chem Laboratories Pvt. Ltd., Pragati, Kanjur Marg (East), Mumbai, Maharashtra

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

**Certificate Number** TC-7284 (in lieu of T-0570 & T-0370) **Page 250 of 504**

**Validity** 15.05.2018 to 14.05.2020 **Last Amended on** 18.05.2018

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Sucrose	IS 1166	1.0% – 60 %
			IS 2802	
			IS 1479 (Part 2)	
			FSSAI Manual for Milk & Milk Products –:9.4	
			AOAC 920.115 20 <sup>th</sup> Ed.	
		Lactose	IS 1479 (Part 2)	1.0% – 25 %
			AOAC 920.115 20 <sup>th</sup> Ed.	
		Chloride	IS 1479 (Part 2)	0.1% – 10%
			FSSAI Manual for Milk & Milk Products –:9.4	
		Vitamin C	IS 5838	5mg/100 gm – 100 mg/100 gm
		Sulphur dioxide	AOAC 990.28 20 <sup>th</sup> Ed.	10 mg/kg 2000 mg/kg
		Carbohydrate(By Calculation)	AOAC , Method for analysis for Nutrition Labeling - 1993	0.1% – 100 %
			AOAC 986.25 20 <sup>th</sup> Ed.	
		Energy (By Calculation)	AOAC , Method for analysis for Nutrition Labeling - 1993	1 kcal/100 gm – 1000 kcal/100 gm
		Test for rancidity	FSSAI Manual for Oils & Fats – 38.2	Qualitative(Present / Absent)
		Vegetable oil and fat	FSSAI Manual for Oils & Fat :2016	Qualitative(Present / Absent)
		Test for mineral oil	FSSAI Manual for Oils & Fat – 28	Qualitative (Present/Absent)
		Butyro Refractometer reading at 40 °C	IS 3508	
		Reichert Meissl value	IS 3508	0.1 – 40
		Free fatty acid as oleic acid	IS 3508	0.01% – 5.0 %
		Baudouin test		
		Peroxide value	IS 3508	0.1meq of O <sub>2</sub> / kg max – 30 meq of O <sub>2</sub> / kg max

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