

Laboratory **Regional Agmark Laboratory, Gondal Road, Rajkot, Gujarat**

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

Certificate Number **TC-8209**

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Validity **21.12.2018 to 20.12.2020**

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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CHEMICAL TESTING

I.	FOOD & AGRICULTURAL PRODUCTS			
1.	Edible Vegetable Oils (Mustard Oil, Ground nut Oil, Sesame Oil, Coconut Oil, Linseed Oil, Castor Oil, Niger seed Oil, Safflower Oil, Cotton seed Oil, Rice bran Oil, Soya bean Oil, Sun flower Oil, Maize Oil, Mahua Oil, Salseed Oil, Blended vegetable oils)	Moisture % by wt.	IS 548 (Part 1): 1964 (RA 2010) Clause 5.1	0.01% to 1.5 % by wt.
		Specific Gravity at 30°C	IS 548 (Part 1): 1964 (RA 2010) Clause 11.3	0.900 to 0.970
		Refractive Index nD	IS 548 (Part 1): 1964 (RA 2010) Clause 10	1.300 nD to 1.500 nD
		Saponification Value	IS 548 (Part 1): 1964 (RA 2010) Clause 15	150 to 260
		Iodine Value	IS 548 (Part 1): 1964 (RA 2010) Clause 14	5 to 170
		Unsaponifiable Matter	IS 548 (Part 1): 1964 (RA 2010) Clause 8	0.1 % to 5.0 % by wt.
		Acid Value	IS 548 (Part 1): 1964 (RA 2010) Clause 7	0.05 to 10.0
		Belliers Turbidity Temperature	IS 548 (Part 2): 1976 (RA 2010) Clause 13	15 °C to 50 °C
		Polenske Value (in coconut oil)	IS 548 (Part 1): 1964 (RA 2010) Clause 19	10 to 20
		Natural Essential oil % (Allyl Iso thio cyanate) (in mustard oil)	IS 548 (Part 1): 1964 (RA 2010) Clause 17	0.1 % to 1.0 % by wt.
		Test for presence of Castor oil (Ammonium Molybdate Test)	IS 548 (Part 2): 1976 (RA 2010) Clause 15.1 Method A	Qualitative (Positive/Negative)
		Test for presence of cotton seed oil (Halphen test)	IS 548 (Part 2): 1976 (RA 2010) Clause 7	Qualitative (Positive/Negative)
		Test for Added colour (Synthetic oil soluble colours)	IS 548 (Part 2): 1976 (RA 2010) Clause 19 DGHS Manual No 2:2005) Clause No 38	Qualitative (Positive/Negative)

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Test for presence of Argemone oil (TLC)	IS 548 (Part 2): 1976 (RA 2010) Clause 10	Qualitative (Positive/Negative)
		Test for presence of Mineral oil (Holde Test)	IS 548 (Part 2): 1976 (RA 2010) Clause 12 Method A	Qualitative (Positive/Negative)