

Laboratory **Regional Agmark Laboratory, 12-25-35, Dr. Basavapunnaiah Buildings, Kothapet, Guntur, Andhra Pradesh**

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

Certificate Number **TC-5684**

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Validity **18.05.2017 to 17.05.2019**

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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CHEMICAL TESTING

I.	FOOD AND AGRICULTURAL PRODUCTS			
1.	Edible Vegetable Oils (Mustard Oil, Groundnut Oil, Sesame Oil, Coconut Oil, Linseed Oil, Castor Oil, Nigerseed Oil, Safflower Oil, Cottonseed Oil, Ricebran Oil, Soyabean Oil, Sunflower Oil, Maize Oil, Mahua Oil, Salseed Oil, Blended Vegetable Oils)	Moisture	Clause 5.1 of IS: 548 (PART I)- 1964 Reaffirmed 2010	0.01 % to 1.5 %
		Specific Gravity at 30 °C	Clause 11.3 of IS: 548 (PART I)- 1964 Reaffirmed 2010	0.900 % to 0.970 %
		Refractive Index	Clause 10 of IS: 548 (PART I)-1964 Reaffirmed 2010	1.300 % to 1.500 %
		Saponification Value	Clause 15 of IS: 548 (PART I)-1964 Reaffirmed 2010	150 % to 260 %
		Iodine Value	Clause 14 of IS:548 (PART I)- 1964 Reaffirmed 2010	5 % to 170 %
		Unsaponifiable Matter	Clause 8 of IS: 548 (PART I)-1964 Reaffirmed 2010	0.1 % to 5.0 %
		Acid Value	Clause 7 of IS: 548 (PART I)- 1964 Reaffirmed 2010	0.05 % to 10.0 %
		Belliers Turbidity Temperature	Clause 13 of IS: 548 (PART II)- 1976 Reaffirmed 2010	15 °C to 50 °C
		Polenske Value (in coconut oil)	Clause 19 of IS: 548 (PART I)-1964 Reaffirmed 2010	10 % to 20 %
	Natural Essential oil in mustard oil (Allyl Isothiocyanate)	Clause 17 of IS: 548 (PART I)- 1964 Reaffirmed 2010	0.1 % to 1.0 %	

**Rini Narayan
Convenor**

**N. Venkateswaran
Program Director**

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		presence of Castor oil (Ammonium Molybdate Test)	Clause 15.1 of IS: 548(PART II)- 1976 Reaffirmed 2010 Method A	Qualitative (Positive/Negative)
		presence of cotton seed oil (Halphen test)	Clause 7 of IS: 548 (PART II)- 1976 Reaffirmed 2010	Qualitative (Positive/Negative)
		Added colour (Synthetic oil soluble colours)	Clause 19 of IS:548 (PARTII)-1976 Reaffirmed 2010	Qualitative (Positive/Negative)
		Argemone oil (TLC)	Clause 10 of IS: 548 (PART II)- 1976 Reaffirmed 2010	Qualitative (Positive/Negative)
		Presence of Mineral oil (Holde Test)	Clause 12 of IS: 548 (PART II)- 1976 Reaffirmed 2010	Qualitative (Positive/Negative)

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