

Laboratory	Regional Agmark Laboratory, Plot No. 274, TPS III, Senapati Bapat Road, Mahim, Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	05.02.2015
Certificate Number	T-2356	Valid Until	04.02.2017
Last Amended on	-	Page	1 of 2

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. FOOD & AGRICULTURAL PRODUCTS				
1.	Vegetable Oils Mustard Oil Ground Nut Oil, Sesame Oil, Coconut Oil, Safflower seed Oil, Cotton seed Oil, Rice Bran Oil, Soyabean Oil, Maize (Corn) Oil, Sunflower Oil, Blended Oil	Colour (Y+5R), (Y+10R)	IS 548 (Part 1): 1964 (RA 2010) Clause No. 13	0.1 to 50
		Specific Gravity at 30 °C / 30 °C	IS 548 (Part 1): 1964 (RA 2010) Clause No. 11	0.907 to 0.921
		Refractive Index at 40 °C	IS 548 (Part 1): 1964 (RA 2010) Clause No. 10	1.4481 to 1.4800
		Saponification Value	IS 548 (Part 1): 1964 (RA 2010) Clause No. 15	169 to 250
		Iodine Value	IS 548 (Part 1): 1964 (RA 2010) Clause No. 14	7.5 to 148
		Unsaponifiable Matter by wt	IS 548 (Part 1): 1964 (RA 2010) Clause No. 8	0.1 % to 3.5 %
		Acid Value	IS 548 (Part 1): 1964 (RA 2010) Clause No. 7	0.05 to 6.0
		Moisture by wt	IS 548 (Part I): 1964 (RA 2010) Clause No. 5	0.05 % to 2.5 %
		Test for Presence of Argemone Oil (TLC)	DGHS Manual No 2: 2005 Clause No. 30 Method B	Qualitative (Positive/ Negative)
		Test for Presence of Castor Oil (Ammonium Molybdate Test)	IS 548 (Part 2): 1964 (RA 2010) Clause No. 15.1 Method A	Qualitative (Positive/Negative)
Test for Presence of Mineral Oil (Holde Test)	IS 548 (Part: 2): 1964 (RA 2010) Method A Clause 12.1	Qualitative (Positive/Negative)		

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Last Amended on	-	Page	2 of 2

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Vegetable Oils	Test for Added Color (Synthetic Oil Soluble Colours)	DGHS Manual No 2: 2005 Clause No. 38	Qualitative (Positive/Negative)
	Mustard Oil	Test for Presence of Ground Nut Oil (Bellier's Turbidity Temp)	IS 548 (Part 2): 1976 (RA 2010) Clause No. 13 DGHS Manual No 2: 2005	30 °C to 41 °C
	Ground Nut Oil,	Test for Presence of Hydrocyanic Acid	IS 548 (Part 2): 1976 (RA 2010) Clause No. 11 Method B	Qualitative (Positive/Negative)
	Sesame Oil,	Polybromide Test	IS 548 (Part 2): 1976 (RA 2010) Clause No. 19A DGHS Manual No 2: 2005	Qualitative (Positive/Negative)
	Coconut Oil,	Test for Presence of Cotton Seed Oil (Halphen Test)	IS 548 (Part 2): 1976 (RA 2010) Clause No. 7	Qualitative (Positive/Negative)
	Safflower seed Oil,	Test for Presence of Linseed Oil (Hexa Bromide Test)	IS 548 (Part 2): 1976 (RA 2010) Clause No. 19 DGHS Manual No 2: 2005	Qualitative (Positive/Negative)
	Cotton seed Oil,	Flash Point	IS 1448 (Part 21): 1992 DGHS Manual No 2: 2005 Clause No. 6	Qualitative (No flash Upto 250 °C)
	Rice Bran Oil,	Phosphorus Content by wt. (in Soyabean Oil)	DGHS Manual No 2: 2005 Clause No. 34	0.003 % to 0.1 %
	Soyabean Oil,	Allyl-Isothiocynate (in Mustard Oil)	IS 548 (Part 1): 1964 (RA 2010) Clause No. 17	0.1 % to 0.6 %
	Maize (Corn) Oil,	Polenske Value (in Coconut Oil)	IS 548 (Part 1): 1964 (RA 2010) Clause No. 19	10 to 20
	Sunflower Oil,			
	Blended Oil			

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