National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	OIL & FATS LABORATORY, VINAYAK OIL & FATS PVT. LTD, JALAN COMPLEX (INDUSTRIAL ESTATE), 29.5 MILESTONE, N.H.-6, VILLAGE- BANIARA, P.O. BEGRI, P.S. DOMJOOR, HOWRAH, WEST BENGAL, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-7895
Validity	31/10/2021 to 30/10/2023

Last Amended on 09/11/2021

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Acid Value	IS 548 (PART 1)
2	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Argemone Oil	IS 548 (PART 2)
3	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Bellier Turbidity Temperature	IS 548 (PART 2)
4	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Castor Oil	IS 548 (PART 2)
5	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Colour	IS 548 (PART 1)
6	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Cottonseed Oil	IS 548 (PART 2)
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Arachidic Acid	IS 548 (PART 3)
8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Arachidonic Acid	IS 548 (PART 3)
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Behenic Acid	IS 548 (PART 3)
10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Butyric Acid	IS 548 (PART 3)
11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Capric Acid	IS 548 (PART 3)
12	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Caproic Acid	IS 548 (PART 3)
13	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Caprylic Acid	IS 548 (PART 3)

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14	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Docosahexaenoic Acid	IS 548 (PART 3)
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Eicosapentaenoic Acid	IS 548 (PART 3)
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Eicosenoic Acid	IS 548 (PART 3)
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Elaidic Acid	IS 548 (PART 3)
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Erucic Acid	IS 548 (PART 3)
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Gama Linolenic Acid	IS 548 (PART 3)
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Lauric Acid	IS 548 (PART 3)
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Lignoceric Acid	IS 548 (PART 3)
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Linoelaidic Acid	IS 548 (PART 3)
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Linoleic Acid	IS 548 (PART 3)
24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Linolenic Acid	IS 548 (PART 3)
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Margaric Acid	IS 548 (PART 3)
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Myristic Acid	IS 548 (PART 3)
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Oleic Acid	IS 548 (PART 3)

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28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Palmitic Acid	IS 548 (PART 3)
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Palmitoleic Acid	IS 548 (PART 3)
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Fatty Acid Composition-Stearic Acid	IS 548 (PART 3)
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Flash Point	IS 1448 (PART 21)
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Free Fatty Acid	IS 548 (PART 1)
33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Insoluble Matter	IS 548 (PART 1)
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Iodine Value	IS 548 (PART 1)
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Karanja Oil	IS 548 (PART 2)
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Kusum Oil	IS 548 (PART 2)
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Linseed Oil	IS 548 (PART 2)
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Mineral Oil	IS 548 (PART 2)
39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Moisture & Volatile Matter	IS 548 (PART 1)
40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Neem Oil	IS 548 (PART 2)
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Oryzanol Content	CODEX STANDARD

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42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Peroxide Value	IS 548 (PART 1)
43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Refractive Index at 40°C	IS 548 (PART 1)
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Saponification Value	IS 548 (PART 1)
45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Sesame Oil (Baudouin)	IS 548 (PART 2)
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Specific Gravity 30°/30° C	IS 548 (PART 1)
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats (Sesame Oil, Rice Bran Oil, Mustard Oil, Soybean Oil, Sunflower Oil, Palm Oil, Groundnut Oil, Coconut Oil and Other Vegetable Oils)	Unsaponifiable Matter	IS 548 (PART 1)