National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : OIL LABORATORY, DEPARTMENT OF CHEMICAL TECHNOLOGY, UNIVERSITY OF CALCUTTA, 92, ACHARYA PRAFULLA CHANDRA ROAD, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6252 **Page No** 1 of 4

Validity 07/09/2021 to 06/09/2023 **Last Amended on** -

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	Edible Fats and Oils	BTT for groundnut oil	IS 548 (Part II):
2	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Fats and Oils	Peroxide Value	IS 548 (Part I)
3	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Fats and Oils	Saponification value	IS 548 (Part I)
4	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Fats and Oils	Test for added colouring matter	IS 548 (Part I)
5	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Fats and Oils	Test for Castor oil	IS 548 (Part II)
6	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Fats and Oils	Unsaponifiable matter	IS 548 (Part I)
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils and Fats	Acid value	IS 548 (Part I)
8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils and Fats	Beta-Carotene	FSSAI Manual of Methods of Analysis of Foods (Oils and Fats)
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils and Fats	Cloud Point	FSSAI Manual of Methods of Analysis of Foods (Oils and Fats)
10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils and Fats	Determination of Phosphorous Content	FSSAI Manual of Methods of Analysis of Foods (Oils and Fats)
11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils and Fats	Flash Point	FSSAI Manual of Methods of Analysis of Foods (Oils and Fats)
12	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils and fats	Hexane Residue	FSSAI Manual of Methods of Analysis of Foods (Oils and Fats)
13	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils and Fats	Iodine value	IS 548 (Part I)

SCOPE OF ACCREDITATION

Laboratory Name : OIL LABORATORY, DEPARTMENT OF CHEMICAL TECHNOLOGY, UNIVERSITY OF CALCUTTA, 92, ACHARYA PRAFULLA CHANDRA ROAD, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6252 **Page No** 2 of 4

Validity 07/09/2021 to 06/09/2023 **Last Amended on** -

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
14	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils and Fats	Melting Point	IS 548 (Part I)
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils and Fats	Moisture content	IS 548 (Part I)
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils and Fats	Refractive index at 40° C	IS 548 (I)
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils and Fats	Refractive index at 50 °C for Palm Oil	IS 548 (Part I)
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils and fats	Test for Argemone Oil	IS 548 (Part II)
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils and Fats	Test for cottonseed oil	IS 548 (Part II)
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils and Fats	Test for linseed oil	IS 548 (Part II)
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils and Fats	Test for presence of mineral oil	IS 548 (Part II)
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils and Fats	Test for presence of Olive Pomace Oil	FSSAI Manual of Methods of Analysis of Foods (Oils and Fats)
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils and Fats	Test for presence of semi siccative oil	FSSAI Manual of Methods of Analysis of Foods (Oils and Fats)
24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils and Fats	Test for sesame oil (Baudouin Test)	IS 548 (Part II)
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils and Fats	Tri-ortho cresyl phosphate by TLC	FSSAI Manual of Methods of Analysis of Foods (Oils and Fats)
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Determination of Oryzanol Content	FSSAI Manual of Methods of Analysis of Foods (Oils and Fats)
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition- Arachidic Acid	IS 548 Part III

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : OIL LABORATORY, DEPARTMENT OF CHEMICAL TECHNOLOGY, UNIVERSITY OF CALCUTTA, 92, ACHARYA PRAFULLA CHANDRA ROAD, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6252 **Page No** 3 of 4

Validity 07/09/2021 to 06/09/2023 **Last Amended on** -

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
28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Arachidonic Acid	IS 548 (Part III)
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Behenic Acid	IS 548 (Part III)
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Butyric Acid	IS 548 (Part III)
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Capric Acid	IS 548 (Part III)
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Caproic Acid	IS 548 (Part III)
33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Caprylic Acid	IS 548 (Part III)
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Docosahexanoic Acid	IS 548 (Part III)
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Eicosapentanoic Acid	IS 548 (Part III)
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Eicosenoic Acid	IS 548 (Part III)
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Elaidic Acid	IS 548 (Part III)
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Erucic Acid	IS 548 (Part III)
39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Gamma Linolenic Acid	IS 548 (Part III)
40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Lauric Acid	IS 548 (Part III)
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Lignoceric Acid	IS 548 (Part III)

SCOPE OF ACCREDITATION

Laboratory Name : OIL LABORATORY, DEPARTMENT OF CHEMICAL TECHNOLOGY, UNIVERSITY OF CALCUTTA, 92, ACHARYA PRAFULLA CHANDRA ROAD, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6252 **Page No** 4 of 4

Validity 07/09/2021 to 06/09/2023 **Last Amended on** -

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
42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Linoleic Acid	IS 548 (Part III)
43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Linolenic Acid	IS 548 (Part III)
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Myristic Acid	IS 548 (Part III)
45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Oleic Acid	IS 548 (Part III)
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Palmitic Acid	IS 548 (Part III)
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Palmitoleic Acid	IS 548 (Part III)
48	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Fatty Acid Composition: Stearic Acid	IS 548 (Part III)
49	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	Total Polar Compound	AOAC Official Method 982.27