National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	PUBLIC HEALTH LABORATORY, MAHATMA GANDHI HOSPITAL, BANSWARA, RAJASTHAN, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9465	**Page No**	1 of 6
Validity	26/04/2021 to 25/04/2023	**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	Atta, Maida, Suji	Dry Gluten	FSSAI Manuals of methods of analysis of Cereal & Cereal Products.Method No. 8.4, page No. 17
2	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, Suji & any other cereal products- corn flakes, corn flour, Bakery Products	Alcoholic Acidity as H2SO4 on dry weight basis	FSSAI Manuals of methods of analysis of Cereal & Cereal Products. Method no. 8.5, Page no. 18
3	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, Suji, Besan, & any other cereal products- corn flakes, corn flour, custard powder, Starchy food, Bakery Products	Total Ash on dry weight basis	FSSAI Manuals of methods of analysis of Cereal & Cereal Products.Method No. 8.2, page No. 14
4	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, Suji, Besan, Corn Flour, other food grains (Whole & Split) Maize, Wheat, Rice, Bajra, Arhar, Masur, Urd, Moong & any other cereal products- corn flakes, corn flour, custard powder, Starchy food, Bakery Products	Foreign matter (Live & Dead Insects)	FSSAI Manuals of methods of analysis of cereal & cereal products.Method No. 1.2, page No. 2
5	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, Suji, Besan, Corn Flour, other food grains (Whole & Split) Maize, Wheat, Rice, Bajra, Arhar, Masur, Urd, Moong & any other cereal products- corn flakes, corn flour, custard powder, Starchy food, Bakery Products	Identification of synthetic Colouring Matter	FSSAI manual of Method of Food Additives, method No.4.0, Page No. 81:
6	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, Suji, Besan, Corn Flour, other food grains (Whole & Split) Maize, Wheat, Rice, Bajra, Arhar, Masur, Urd, Moong & any other cereal products- corn flakes, corn flour, custard powder, Starchy food, Bakery Products	Ash Insoluble In Diluted HCL on dry weight basis	FSSAI Manuals of methods of analysis of Cereal & Cereal Products. Method No. 8.3, page No. 16
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, Suji, Besan, Corn Flour, other food grains (Whole & Split) Maize, Wheat, Rice, Bajra, Arhar, Masur, Urd, Moong & any other cereal products- corn flakes, corn flour, custard powder, Starchy food, Bakery Products	Moisture	FSSAI Manuals of methods of analysis of cereal & cereal Products. Method No. 8.1, Page No. 13
8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, Suji, Besan, Corn Flour, other food grains (Whole & Split) Maize, Wheat, Rice, Bajra, Arhar, Masur, Urd, Moong & any other cereal products- corn flakes, corn flour, custard powder, Starchy food, Bakery Products	Rodent Hair & Excreta	FSSAI Manuals of methods of analysis of cereal & cereal Products. Method no. 1.5, page No. 04
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food grains (Whole & Split) Maize, Wheat, Rice, Bajra, Arhar, Masur, Urd, Moong, Chana dal	Weeviled Grain	FSSAI Manuals of methods of analysis of cereal & cereal products. Method No. 1.4, Page No. 03
10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food grains (Whole & Split) Maize, Wheat, Rice, Bajra, Arhar, Masur, Urd, Moong	Damaged Grains	FSSAI Manuals of methods of analysis of cereal & cereal products. Method No. 1.4, Page No. 03

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11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food grains (Whole & Split) Maize, Wheat, Rice, Bajra, Arhar, Masur, Urd, Moong	Other Edible Grains	FSSAI Manuals of methods of analysis of cereal & cereal products. Method No. 1.4, page No. 03
12	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food grains (Whole & Split) Maize, Wheat, Rice, Bajra, Arhar, Masur, Urd, Moong, chana dal	Forigen Metter	FSSAI Manuals of methods of analysis of cereal & cereal products. Method No. 1.2, page no. 02
13	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & Milk Product Khoa.	Total Ash	Indian Standard Specification for KHOA No.48883-1980, Clause 4.1 and 4.6, Appendix A
14	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & Milk Products and Proprietary Food	Test for Added Urea	FSSAI Manuals of methods of analysis of Milk & Milk Products. Method No. 1.2.4, page No. 13
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & Milk Products- Ghee, Butter	Moisture	FSSAI Manuals of methods of analysis of Milk & Milk Products. Method No.,13.2 page No. 109
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk & Milk Products- Paneer	Moisture	FSSAI Manuals of methods of analysis of Milk & Milk Products. Method No.5.2, page No. 56
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk and Milk Product-Khoa	Total solids	Indian Standard for Khoa 4883, Clause 4.1 and 4.6, Apendix A
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Product- Paneer.	Milk Fat	FSSAI Manuals of methods of analysis of Milk & Milk Products 2016. Method No. 5..3 Page no. 59 & 1.3.4.3 Page No. 43
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Product-Ghee	Reichert Meissel Value	FSSAI Manuals of methods of analysis of Milk and Milk Products. Method No. 13.5, Page No. 117
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Product-Khoa	Titratable Acidity (as Lactic Acid)	Indian Standards IS Specification for Khoa, IS 4883, Caluse 4.1 and 4.6 Appendix A
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products- Curd	Total Solids	FSSAI Manuals of methods of analysis of Milk & Milk Products 2016. Method No. 4.4.1, Page No. 51

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22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products- Ice cream, Kulfi, Frozen Dessert	Total Solids	FSSAI Manuals of methods of analysis of Milk & Milk Products 2016. Method No. 7.2, Page No. 61
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products- Khoa	Test for Added Starch	FSSAI Manuals of methods of analysis of Milk & Milk Products 2016. Method No. 11.4, Page No.99
24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products- Khoa, Cream, Malai, Curd, Kulfi, ice cream, Frozen Dezert	Milk Fat	FSSAI Manuals of methods of analysis of Milk & Milk Products 2016. Method No. 1.3.4.2 Page No. 38
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products-Ghee	Butyrorefractometer Reading	FSSAI Manuals of methods of analysis of Milk & Milk products Method No.13.3 , Page No.110
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products-Ghee	Free fatty Acid as oleic acid	FSSAI manual of methods of Milk And Milk products. Method No. 13.4, page No. 114
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products-Ghee.	Determination of Refractive Index at 40 Degree C	FSSAI Manuals of methods of analysis of Oils & Fats. Method No. 5 , Page No. 8
28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk- Full Cream Milk, Toned Milk, Double Toned Milk, Skimmed Milk, Standardised Milk, Recombined Milk, Mixed Milk, Cow Milk, Buffalo Milk, Goat Milk	Test for formalin	FSSAI Manuals of methods of analysis of Milk & Milk products. Method no. 1.2.17.1 page no. 28
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk- Full Cream Milk, Toned Milk, Double Toned Milk, Skimmed Milk, Standardised Milk, Recombined Milk, Mixed Milk, Cow Milk, Buffalo Milk, Goat Milk & Milk Products- Khoa, Proprietary Food	Test for Added Sugar	FSSAI Manuals of methods of analysis of Milk & Milk Products .Method No. 1.2.1.1, Page No. 9: 2016, Method No. 11.5 (For Khoa), Page No. 99
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk- Full Cream Milk, Toned Milk, Double Toned Milk, Skimmed Milk, Standardised Milk, Recombined Milk, Mixed Milk, Cow Milk, Buffalo Milk, Goat Milk & Milk Products-, Paneer, Cream, Malai, Curd. Proprietary Food	Test for Added Starch	FSSAI Manuals of methods of analysis of Milk & Milk Products 2016. Method No. 1.2.2.1 page No. 11
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk- Full Cream Milk, Toned Milk, Double Toned Milk, Skimmed Milk, Standardised Milk, Recombined Milk, Mixed Milk, Cow Milk, Buffalo Milk, Goat Milk.	Test for Salt (Sodium Chloride)	FSSAI Manuals of methods of analysis of Milk & Milk Products. Method No.1.2.8 Page No. 18
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk- Full Cream Milk, Toned Milk, Double Toned Milk, Skimmed Milk, Standardised Milk, Recombined Milk, Mixed Milk, Cow Milk, Buffalo Milk, Goat Milk. Proprietary Food	Test for Neutralizer	FSSAI Manuals of methods of analysis of Milk & Milk Products. Method No. 1.2.11.1. version 1, Page No. 22:

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33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk- Full Cream Milk, Toned Milk, Double Toned Milk, Skimmed Milk, Standardized Milk, Recombined Milk, Mixed Milk, Cow Milk, Buffalo Milk, Goat Milk	Total Solids	FSSAI Manuals of methods of analysis of Milk & Milk Products 2016. Method No. 1.3.3, Page No. 36
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mixed milk,camel Milk,Cow milk,Bufalo milk,Goat milk	Skimmed Milk Powder	FSSAI Manuals of methods of analysis of Milk & Milk Products. Method No.1.2.15 Page No 27
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard Oil, Ground Nut Oil, Cotton Seed oil, Safflower oil, Til Oil, Almond oil	Bellier Test (Turbidity Temperature)	Fssai Manual methods of Oils and Fats.Method No. 14, page No. 35
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Proprietary Food	Identification of Added Colouring matter	FSSAI Manuals of methods of analysis of Food Additives. Method No. 4.0, page No 81
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Proprietary Food (Sweets)	Test for saccharin	FSSAI Manuals of methods of analysis of Food Additives. Method No. 3.1.1, page No.45
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Red Chilli Powder, Cumin, Cumin Black, Jaiphal Powder, Jaipatri, Musterd, Pepper black, Pepper White, Khas khas, Curry Powder.	Determination of Non Volatile Ether Extract	FSSAI manual of method of Spices and Condiments, method no . 9.0, page no. 18
39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Sunflower Oil, Safflower Oil, Rice Bran Oil, Til Oil, Cotton Seed Oil,Coconut Oil, Linseed oil,Olive Oil, Palm Oil, Palmolien Oil, Blended Edible vegetable oil, Refined vegetable oil, Vanaspati	Test for presence of Castor Oil	FSSAI Manuals of methods of analysis of Oils & Fats. Method No. 29.0, page no. 68 : 2016
40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Sunflower Oil, Safflower Oil, Rice Bran Oil, Til Oil, Cotton Seed Oil,Coconut Oil, Linseed oil,Olive Oil, Palm Oil, Palmolien Oil, Blended Edible vegetable oil, Refined vegetable oil, Vanaspati	Test For Seasame Oil (Baudouin Test)	FSSAI Manuals of methods of analysis of Oils & Fats. Method No.15, Page No.38
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Sunflower Oil, Safflower Oil, Til Oil, Rice Bran Oil, Cotton Seed Oil, Coconut Oil, Linseed oil,Olive Oil, Palm Oil, Palmolien Oil, Blended Edible vegetable oil, Refined vegetable oil, Vanaspati	Oil Soluble Colour	FSSAI Manuals of methods of analysis of Oils & Fats. Method No.39.5.1, page No. 94
42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Sunflower Oil, Safflower Oil, Til Oil, Rice Bran Oil, Cotton Seed Oil,Coconut Oil, Linseed oil,Olive Oil, Palm Oil, Palmolien	Test of Argemone Oil	FSSAI Manuals of methods of analysis of Oils & Fats. Method No. 30, Page no. 70
43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Sunflower Oil, Safflower Oil, Til Oil, Rice Bran Oil, Cotton Seed Oil,Coconut Oil, Linseed oil,Olive Oil, Palm Oil, Palmolien Oil, Blended Edible vegetable oil, Refined vegetable oil	Saponification value	FSSAI Manuals of methods of analysis of Oils & Fats. Method No. 9.0, Page No. 18
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Sunflower Oil, Safflower Oil, Til Oil, Rice Bran Oil, Cotton Seed Oil,Coconut Oil, Linseed oil,Olive Oil, Palm Oil, Palmolien Oil, Blended Edible vegetable oil, Refined vegetable oil	Iodine Value	FSSAI Manuals of methods of analysis of Oils & Fats. Method No. 12, Page No. 26

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45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Sunflower Oil, Safflower Oil, Til Oil, Rice Bran Oil, Cotton Seed Oil,Coconut Oil, Linseed oil,Olive Oil, Palm Oil, Palmolien Oil, Blended Edible vegetable oil, Refined vegetable oil	Butyro Refractometer Reading	FSSAI Manuals of methods of analysis of Oils and Fats. Method No 5.0, page no. 08
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Sunflower Oil, Safflower Oil, Til Oil, Rice Bran Oil, Cotton Seed Oil,Coconut Oil, Linseed oil,Olive Oil, Palm Oil, Palmolien Oil, Blended Edible vegetable oil, Refined vegetable oil,	Refrective Index	FSSAI Manuals of methods of analysis of Oils and Fats. Method No 5.0, page no. 08
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Sunflower Oil, Safflower Oil, Til Oil, Rice Bran Oil, Cotton Seed Oil,Coconut Oil, Linseed oil,Olive Oil, Palm Oil, Palmolien Oil, Blended Edible vegetable oil, Refined vegetable oil, Vanaspati	Moisture	FSSAI Manuals of methods of analysis of Oils and Fats. Method No.3.0, Page no. 5
48	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Sunflower Oil, Safflower Oil, Til Oil, Rice Bran Oil, Cotton Seed Oil,Coconut Oil, Linseed oil,Olive Oil, Palm Oil, Palmolien Oil, Blended Edible vegetable oil, Refined vegetable oil, Vanaspati	Test for Mineral oil	FSSAI Manuals of methods of analysis of OIls & Fats. Method No. 28 A, Page No. 65
49	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Sunflower Oil,Safflower Oil, Til Oil,Rice Bran Oil, CottonSeed Oil,Coconut Oil,Linseed oil,Olive Oil, Palm Oil, Palmolien Oil, Blended Edible vegetable oil, Refined vegetable oil, Vanaspati	Acid Value	FSSAI Manuals of methods of analysis of Oil & Fats.,Method No.11 Page No. 23
50	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole and Ground: Turmeric	Determination of Total Starch Content	FSSAI manual of method of Spices and Condiments, method no . 16.5, page no. 35
51	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole and Ground: Turmeric	Test for presence of Chromate	FSSAI manual of method of Spices and Condiments, method no . 16.6, page no. 36
52	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole, Ground and Mixed : Cardamom, Caraway, Red Chilli, Cinnamon, Cassia, Cloves, Coriander, Cumin, Cumin Black, Fennel (Saunf), Ginger (Sonth), Jaiphal, Jaipatri,Musterd, Pepper black, Pepper White, Khas khas, Turmeric, Mixed Masala, Curry Powder, Ajowan, Fenugreek (Methi), Amchur Powder, Asafoetida,	Determination of Ash insoluble in dilute HCL	FSSAI manual of method of Spices and Condiments, method no . 5.0, page no. 14
53	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole, Ground and Mixed : Cardamom, Caraway, Red Chilli, Cinnamon, Cassia, Cloves, Coriander, Cumin, Cumin Black, Fennel (Saunf), Ginger (Sonth), Jaiphal, Jaipatri,Musterd, Pepper black, Pepper White, Khas khas, Turmeric, Mixed Masala, Curry Powder, Ajowan, Fenugreek (Methi), Amchur Powder, Asafoetida,	Determination of Total Ash	FSSAI manual of method of Spices and Condiments, method no . 4.0, page no. 12

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54	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole, Ground and Mixed : Cardamom, Caraway, Red Chilli, Cinnamon, Cassia, Cloves, Coriander, Cumin, Cumin Black, Fennel (Saunf), Ginger (Sonth), Jaiphal, Jaipatri,Musterd, Pepper black, Pepper White, Khas-khas, Turmeric, Mixed Masala, Curry Powder, Ajowan, Fenugreek (Methi), Amchur Powder, Asafetida	Isolation and Identification of Added Colouring Matter	FSSAI manual of method of analysis of food additive, method no. 4.0, page no. 81