National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PUBLIC HEALTH LABORATORY, BIKANER, SARDAR PATEL MEDICAL COLLEGE CAMPUS, BIKANER, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9598 **Page No** 1 of 6

Validity 14/06/2021 to 13/06/2023 **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	Milk Products - Ghee,	Determination of Free Fatty Acid	FSSAI Manual of milk and milk product, Method No. 13.4, Page No. 114
2	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products - Ghee.	Determination of Rechiert Meissel value	FSSAI Manual of milk and milk product, Method No. 13.5, Page No. 117
3	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products - Khoya,	Determination of Total Solids	FSSAI Manual of milk and milk product, Method No. 1.3.3, Page No. 36
4	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains & Pulses (Whole& Split) - Wheat, Maize, Jawar, Bajra, Rice, Masur, Urd, Moong, Chana, Arhar and any other food grains.	Determination of Other Edible Grains	Fssai Manual of Method of Analysis of Cereal & Cereal Product, Method No- 1.4, Page No. 03
5	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals - Atta, Maida, Suji,	Determination of Gluten	Fssai Manual of Method of Analysis of Cereal & Cereal Product, Method No- 8.4, Page No. 17
6	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals - Atta, Maida, Suji, Besan, corn flour. Other Food Grains & Pulses (Whole& Split) - Wheat, Maize, Jawar, Bajra, Rice, Masur, Urd, Moong, Chana, Arhar and any other food grains. Other Cereal Products- Corn Flacks, Custard powder, Starchy Foods, Bakery Products.	Determination of Moisture	Fssai Manual of Method of Analysis of Cereal & Cereal Product, Method No- 8.1, Page No. 13
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals - Atta, Maida, Suji, Besan, corn flour. Other Food Grains & Pulses (Whole& Split) - Wheat, Maize, Jawar, Bajra, Rice, Masur, Urd, Moong, Chana, Arhar and any other food grains. Other Cereal Products- Corn Flacks, Custard powder, Starchy Foods, Bakery Products.	Determination of Rodent Hair & Excreta/ live and dead insects	Fssai Manual of Method of Analysis of Cereal & Cereal Product, Method No- 1.5, Page No. 04
8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals - Atta, Maida, Suji, Besan, corn flour. Other Food Grains & Pulses (Whole& Split) - Wheat, Maize, Jawar, Bajra, Rice, Masur, Urd, Moong, Chana, Arhar and any other food grains. Other Cereal Products- Corn Flacks, Custard powder, Starchy Foods, Bakery Products.	isolation and identification of added colouring matter	Fssai Manual of Method of Analysis of Food Additives, Method No- 4.0, Page No. 81
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals - Atta, Maida, Suji, Besan, Pearl Barley, Barley flour, corn flour. Other Cereal Products- Corn Flacks, Custard powder, Starchy Foods, Bakery Products.	Determination of Ash insoluble in dilute HCl	Fssai Manual of Method of Analysis of Cereal & Cereal Product, Method No- 8.3, Page No. 16
10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals - Atta, Maida, Suji, Besan, Pearl Barley, Barley flour, corn flour. Other Cereal Products- Corn Flacks, Custard powder, Starchy Foods, Bakery Products.	Determination of Total Ash	Fssai Manual of Method of Analysis of Cereal & Cereal Product, Method No- 8.2, Page No. 14

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11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals - Atta, Maida, Suji, Pearl Barley, Barley flour, corn flour. Other Cereal Products- Corn Flacks, Starchy Foods, Bakery Products.	Determination of Alcoholic Acidity as H2So4 on dry wt. basis	Fssai Manual of Method of Analysis of Cereal & Cereal Product, Method No- 8.5, Page No. 18
12	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil, Cotton seed oil, Groundnut oil, linseed oil, mahua oil, Mustard oil, Safflower seeds oil, Til oil, Olive oil, Soyabean oil, Refined vegetable oil, Almond oil, Palm oil, Palmolein oil, Palm kernel oil, Sunflower seed oil, Ricebran oil, Blended edible vegetable oil, Vanaspati, Bakery shortening, Margarine, Fat spreads	Determination of Moisture	Fssai Manual of methods of oils and fats, Method No- 3.0, Page No. 05
13	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil, Cotton seed oil, Groundnut oil, linseed oil, mahua oil, Mustard oil, Safflower seeds oil, Til oil, Olive oil, Soyabean oil, Refined vegetable oil, Almond oil, Palm oil, Palmolein oil, Palm kernel oil, Sunflower seed oil, Ricebran oil, Blended edible vegetable oil, Vanaspati, Bakery shortening, Margarine, Fat spreads	isolation and identification of Oil Soluble Colour	Fssai Manual of methods of oils and fats, Method No- 39.5.1, Page No. 94
14	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil, Cotton seed oil, Groundnut oil, linseed oil, mahua oil, Mustard oil, Safflower seeds oil, Til oil, Olive oil, Soyabean oil, Refined vegetable oil, Almond oil, Palm oil, Palmolein oil, Palm kernel oil, Sunflower seed oil, Ricebran oil, Blended edible vegetable oil, Vanaspati, Bakery shortening, Margarine, Fat spreads	Test for presence of Argemon Oil	Fssai Manual of methods of oils and fats, Method No- 30.0, Page No. 70
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil, Cotton seed oil, Groundnut oil, linseed oil, mahua oil, Mustard oil, Safflower seeds oil, Til oil, Olive oil, Soyabean oil, Refined vegetable oil, Almond oil, Palm oil, Palmolein oil, Palm kernel oil, Sunflower seed oil, Ricebran oil, Blended edible vegetable oil, Vanaspati, Bakery shortening, Margarine, Fat spreads	Test for presence of Castor Oil	Fssai Manual of methods of oils and fats, Method No- 29.0, Page No. 68
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil, Cotton seed oil, Groundnut oil, linseed oil, mahua oil, Mustard oil, Safflower seeds oil, Til oil, Olive oil, Soyabean oil, Refined vegetable oil, Almond oil, Palm oil, Palmolein oil, Palm kernel oil, Sunflower seed oil, Ricebran oil, Blended edible vegetable oil, Vanaspati, Bakery shortening, Margarine, Fat spreads	Test for presence of Mineral Oil	Fssai Manual of methods of oils and fats, Method No- 28.0, Page No. 65
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil, Cotton seed oil, Groundnut oil, linseed oil, mahua oil, Mustard oil, Safflower seeds oil, Til oil, Olive oil, Soyabean oil, Refined vegetable oil, Almond oil, Palm oil, Palmolein oil, Palm kernel oil, Sunflower seed oil, Ricebran oil, Blended edible vegetable oil, Vanaspati, Bakery shortening, Margarine, Fat spreads	Test for presence of Sesame Oil (Baudouins Test)	Fssai Manual of methods of oils and fats, Method No- 15.0, Page No. 38
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil, Cotton seed oil, Groundnut oil, linseed oil, mahua oil, Mustard oil, Safflower seeds oil, Til oil, Olive oil, Soyabean oil, Refined vegetable oil, Almond oil, Palm oil, Palmolein oil, Palm kernel oil, Sunflower seed oil, Ricebran oil.	Butyro Refrectometer Reading	Fssai Manual of methods of oils and fats, Method No- 5.0, Page No. 8: 2016

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19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil, Cotton seed oil, Groundnut oil, linseed oil, mahua oil, Mustard oil, Safflower seeds oil, Til oil, Olive oil, Soyabean oil, Refined vegetable oil, Almond oil, Palm oil, Palmolein oil, Palm kernel oil, Sunflower seed oil, Ricebran oil.	Determination of Iodine Value	Fssai Manual of methods of oils and fats, Method No- 12.0, Page No. 26
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil, Cotton seed oil, Groundnut oil, linseed oil, mahua oil, Mustard oil, Safflower seeds oil, Til oil, Olive oil, Soyabean oil, Refined vegetable oil, Almond oil, Palm oil, Palmolein oil, Palm kernel oil, Sunflower seed oil, Ricebran oil.	Determination of Saponification Value	Fssai Manual of methods of oils and fats, Method No- 9.0, Page No. 18
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil, Cotton seed oil, Groundnut oil, linseed oil, mahua oil, Mustard oil, Safflower seeds oil, Til oil, Olive oil, Soyabean oil, Refined vegetable oil, Almond oil, Palm oil, Palmolein oil, Palm kernel oil, Sunflower seed oil, Ricebran oil.	refractive Index	Fssai Manual of methods of oils and fats, Method No- 5.0, Page No. 8
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil, Cotton seed oil, Groundnut oil, linseed oil, mahua oil, Mustard oil, Safflower seeds oil, Til oil, Olive oil, Soyabean oil, Refined vegetable oil, Almond oil, Palmolein oil, Sunflower seed oil, Rice bran oil, Blended edible vegetable oil, Vanaspati, Bakery shortening, Fat spreads	Determination of Acid Value	Fssai Manual of methods of oils and fats, Method No- 11.0, Page No. 23
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cotton seed oil, Groundnut oil, Mustard oil, Safflower seeds oil, Til oil, Olive oil, Refined vegetable oil, Almond oil,	Determination of Bellier Turbidity Test acetic acid method	Fssai Manual of methods of oils and fats, Method No- 14.0, Page No. 35
24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains & Pulses (Whole& Split) - Wheat, Maize, Jawar, Bajra, Rice, Masur, Urd, Moong, Chana, Arhar and any other food grains.	Determination of Damaged Grains	Fssai Manual of Method of Analysis of Cereal & Cereal Product, Method No- 1.4, Page No. 03:
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains & Pulses (Whole& Split) - Wheat, Maize, Jawar, Bajra, Rice, Masur, Urd, Moong, Chana, Arhar and any other food grains.	Determination of Foreign Matter	Fssai Manual of Method of Analysis of Cereal & Cereal Product, Method No- 1.2, Page No. 02
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains & Pulses (Whole& Split) - Wheat, Maize, Jawar, Bajra, Rice, Masur, Urd, Moong, Chana, Arhar and any other food grains.	Determination of Weevilled Grains	Fssai Manual of Method of Analysis of Cereal & Cereal Product, Method No- 1.4, Page No. 03
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Butyro Refrectometer Reading	FSSAI Manual of milk and milk product, Method No. 13.3, Page No. 110: 2016
28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Determination of Refractive Index	FSSAI Manual of milk and milk product, Method No. 13.3, Page No. 110:
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk - Buffalo Milk, Cow Milk, Goat Milk, Camel Milk, Mixed Milk, Standardized Milk, Toned Milk, Double Toned Milk, Skimmed Milk, Full Cream Milk,	Determination of Milk Fat %	FSSAI Manual of milk and milk product, Method No. 1.3.4, Page No. 37

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30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk - Buffalo Milk, Cow Milk, Goat Milk, Camel Milk, Mixed Milk, Standardized Milk, Toned Milk, Double Toned Milk, Skimmed Milk, Full Cream Milk,	Total Solids	FSSAI Manual of milk and milk product, Method No. 1.3.3, Page No. 36
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk - Buffalo Milk, Cow Milk, Goat or Sheep Milk, Camel Milk, Mixed Milk, Standardized Milk, Toned Milk, Double Toned Milk, Skimmed Milk, Full Cream Milk, and Proprietary Food	Test for presence of Formalin	FSSAI Manual of milk and milk product, Method No. 1.2.17, Page No. 29
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk - Buffalo Milk, Cow Milk, Goat or Sheep Milk, Camel Milk, Mixed Milk, Standardized Milk, Toned Milk, Double Toned Milk, Skimmed Milk, Full Cream Milk, and Proprietary Food	Test for presence of Neutralizer	FSSAI Manual of milk and milk product, Method No. 1.2.11, Page No. 22:
33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk - Buffalo Milk, Cow Milk, Goat or Sheep Milk, Camel Milk, Mixed Milk, Standardized Milk, Toned Milk, Double Toned Milk, Skimmed Milk, Full Cream Milk, Milk Products - Cream, Malai, Curd, Paneer, Proprietary Food	Test for presence of Added Starch	FSSAI Manual of milk and milk product, Method No. 1.2.2, Page No. 11
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk - Buffalo Milk, Cow Milk, Goat or Sheep Milk, Camel Milk, Mixed Milk, Standardized Milk, Toned Milk, Double Toned Milk, Skimmed Milk, Full Cream Milk, Milk Products - Khoya and Proprietary Food	Test for presence of Sugar	FSSAI Manual of milk and milk product, Method No. 1.2.1, Page No. 9, Method No. 11.5 (For Khoya) Page No. 99
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk - Buffalo Milk, Cow Milk, Goat or Sheep Milk, Camel Milk, Mixed Milk, Standardized Milk, Toned Milk, Double Toned Milk, Skimmed Milk, Full Cream Milk, Milk Products and Proprietary Food	Test for presence of Urea	FSSAI Manual of milk and milk product, Method No. 1.2.4, Page No. 13
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products - Khoya,	Determination of Total Ash	IS 1547 Appendix - E
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products - Cream, Malai, Curd, Khoya, Ice Cream, Kulfi, Frozen Desert.	Determination of Milk Fat	FSSAI Manual of milk and milk product, Method No. 1.3.4.2, Page No. 41
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products - Curd	Total Solids	FSSAI Manual of milk and milk product, Method No. 4.4.1, Page No. 51
39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products - Ghee, Butter	Determination of Moisture	FSSAI Manual of milk and milk product, Method No. 13.2, Page No. 109
40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products - Ice Cream, Kulfi, Frozen Desert, Milk Lollies.	Total Solids	FSSAI Manual of milk and milk product, Method No. 7.2, Page No. 61
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products - Khoa	Test for presence of added Starch	FSSAI Manual of milk and milk product, Method No. 11.4, Page No. 99

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42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products - Khoya,	determination of Titratable Acidity as Lactic Acid	IS : 4883 Appendix - A
43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products - Paneer	Determination of Milk Fat	FSSAI Manual of milk and milk product, Method No. 1.3.4.3, & 5.3 Page No. 43 &58,
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Products - Paneer	Determination of Moisture	FSSAI Manual of milk and milk product, Method No. 5.2, Page No. 56
45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Palm Oil, Palm Kernel oil, Margarine	Free Fatty Acid	Fssai Manual of methods of oils and fats, Method No- 11.0, Page No. 23: 2016
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Proprietary Food (sweets)	Isolation and identification of added colouring matter	ssai Manual of Method of Analysis of Food Additives, Method No- 4.0, Page No. 81
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Proprietary Food (sweets)	Test for Saccharine	Fssai Manual of Method of Analysis of Food Additives, Method No- 3.1.1, Page No. 45
48	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Red Chili Powder, Cumin , Cumin black, Jaiphal Powder, Jaipatri, Mustard, 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
49	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Whole and Ground	Determination of Total Starch content	Fssai manual of method of Spices and condiments, Method No- 16.5, Page No. 35
50	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole,Ground :- Turmeric,	Test for presence of Chromate	Fssai manual of method of Spices and condiments, Method No- 16.6, Page No. 36
51	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole,Ground and Mixed :- Caraway, Cardamom, Red Chili, Cinnamon, Cassia, Cloves, Coriander, Cumin ,Fennel (Saunf), Ginger(Sonth), Jaiphal, Jaipatri, Mustard, Pepper black, Pepper White, Khas Khas, Turmeric, Mixed masala, Curry Powder, Ajowan, fenugreek(Methi), Amchur Powder, Asafoetida, Saffron,Dehydrated Onion, Dehydrated Garlic	Determination of Total Ash	Fssai manual of method of Spices and condiments, Method No- 4.0, Page No. 12
52	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole,Ground and Mixed :- Caraway, Cardamom, Red Chili, Cinnamon, Cassia, Cloves, Coriander, Cumin ,Fennel (Saunf), Ginger(Sonth), Jaiphal, Jaipatri, Mustard, Pepper black, Pepper White, Khas Khas, Turmeric, Mixed masala, Curry Powder, Ajowan, fenugreek(Methi), Amchur Powder, Asafoetida, Saffron,Dehydrated Onion, Dehydrated Garlic	Determination of Ash insoluble in dilute HCl	Fssai manual of method of Spices and condiments, Method No- 5.0, Page No. 14

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53	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole,Ground and Mixed :- Caraway, Cardamom, Red Chili, Cinnamon, Cassia, Cloves, Coriander, Cumin ,Fennel (Saunf), Ginger(Sonth), Jaiphal, Jaipatri, Mustard, Pepper black, Pepper White, Khas Khas, Turmeric, Mixed masala, Curry Powder, Ajowan, fenugreek(Methi), Amchur Powder, Asafoetida, Saffron,Dehydrated Onion, Dehydrated Garlic	Isolation and identification of Added Colouring Matter	ssai Manual of Method of Analysis of Food Additives, Method No- 4.0, Page No. 81