National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PUBLIC HEALTH LABORATORY, SURAT MUNICIPAL CORPORATION, 2ND FLOOR, VESU URBAN COMMUNITY HEALTH CENTER, VIP ROAD, VESU, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9536 **Page No** 1 of 5

Validity 19/05/2023 to 18/05/2025 **Last Amended on** 24/05/2023

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	Asafetida, Compounded Asafetida, Ginger (Powder)	Alcoholic Extract	FSSAI 10.010
2	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Clear liquid product, semi thick products (purees ,sauces, ketchup etc) Thick products (jams, jellies etc)	Titrable Acidity	FSSAI Manual of Method for Fruit & Vegetable products, Method 2.4
3	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Clear liquid product, semi thick products (purees ,sauces, ketchup etc) Thick products (jams, jellies etc)	Total Soluble Solid	FSSAI Manual of Method for Fruit & Vegetable products Method 2.2
4	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Raw & Refined), Edible Fats, Blended Edible vegetable oil, Interesterified Vegetable Fat/Oil, Hydrogenated & Partially Hydrogenated oils, Vanaspati, Margarine and Fat spreads, Bakery shortening	Acid Value	FSSAI 02.009
5	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Raw & Refined), Edible Fats, Blended Edible vegetable oil, Interesterified Vegetable Fat/Oil, Hydrogenated & Partially Hydrogenated oils, Vanaspati, Margarine and Fat spreads, Bakery shortening	Butyro Refractometer Reading at 40 deg C	FSSAI 02.003
6	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Raw & Refined), Edible Fats, Blended Edible vegetable oil, Interesterified Vegetable Fat/Oil, Hydrogenated & Partially Hydrogenated oils, Vanaspati, Margarine and Fat spreads, Bakery shortening	Free fatty acid as oleic acid	FSSAI 02.009
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Raw & Refined), Edible Fats, Blended Edible vegetable oil, Interesterified Vegetable Fat/Oil, Hydrogenated & Partially Hydrogenated oils, Vanaspati, Margarine and Fat spreads, Bakery shortening	Iodine Value	FSSAI 02.010
8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Raw & Refined), Edible Fats, Blended Edible vegetable oil, Interesterified Vegetable Fat/Oil, Hydrogenated & Partially Hydrogenated oils, Vanaspati, Margarine and Fat spreads, Bakery shortening	Moisture content	FSSAI 02.001
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Raw & Refined), Edible Fats, Blended Edible vegetable oil, Interesterified Vegetable Fat/Oil, Hydrogenated & Partially Hydrogenated oils, Vanaspati, Margarine and Fat spreads, Bakery shortening	Presence of rancidity	FSSAI 02.042
10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Raw & Refined), Edible Fats, Blended Edible vegetable oil, Interesterified Vegetable Fat/Oil, Hydrogenated & Partially Hydrogenated oils, Vanaspati, Margarine and Fat spreads, Bakery shortening	Saponification Value	FSSAI 02.007
11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Raw & Refined), Edible Fats, Blended Edible vegetable oil, Interesterified Vegetable Fat/Oil, Hydrogenated & Partially Hydrogenated oils, Vanaspati, Margarine and Fat spreads, Bakery shortening	Test for Argemone oil	FSSAI 02.032

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9536 **Page No** 2 of 5

Validity 19/05/2023 to 18/05/2025 **Last Amended on** 24/05/2023

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12	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Raw & Refined), Edible Fats, Blended Edible vegetable oil, Interesterified Vegetable Fat/Oil, Hydrogenated & Partially Hydrogenated oils, Vanaspati, Margarine and Fat spreads, Bakery shortening	Test for cottonseed oil (Halphens Test)	FSSAI 02.014
13	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Raw & Refined), Edible Fats, Blended Edible vegetable oil, Interesterified Vegetable Fat/Oil, Hydrogenated & Partially Hydrogenated oils, Vanaspati, Margarine and Fat spreads, Bakery shortening	Test for Mineral oil	FSSAI 02.030
14	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Raw & Refined), Edible Fats, Blended Edible vegetable oil, Interesterified Vegetable Fat/Oil, Hydrogenated & Partially Hydrogenated oils, Vanaspati, Margarine and Fat spreads, Bakery shortening	Test for Sesame oil (Baudouin Test)	FSSAI 02.013
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food grains and pulses and their flours, custard powder, Corn flakes, macaroni products, vermicelli Malted food products Paddy, Rye, rolled oats, daliya , Starchy food, Expeller pressed flour, solvent extracted flour	Ash insoluble In dilute HCl	FSSAI Manual Method for Analysis of Foods (Cereal and Cereal Products), Method 8.3
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food grains and pulses and their flours, custard powder, Corn flakes, macaroni products, vermicelli Malted food products Paddy, Rye, rolled oats, daliya , Starchy food, Expeller pressed flour, solvent extracted flour	Total Ash	FSSAI Manual Method for Analysis of Foods (Cereal and Cereal Products), Method 8.2
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food grains and pulses and their flours, custard powder, Corn flakes, macaroni products, vermicelli, Malted food products Paddy, Rye, rolled oats, daliya , Starchy food, Expeller pressed flour, solvent extracted flour	Moisture	FSSAI Manual Method for Analysis of Foods (Cereal and Cereal Products), Method 8.1
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Iodine Value	FSSAI 01.095
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Saponification value	FSSAI 01.096
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee, Milk Fat, Butter Oil, Anhydrous Milk Fat, Anhydrous Butter Oil	Free fatty acid as oleic acid	FSSAI 01.089
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee, Milk Fat, Butter Oil, Anhydrous Milk Fat, Anhydrous Butter Oil	Moisture	FSSAI 01.086
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee, Milk Fat, Butter Oil, Anhydrous Milk Fat, Anhydrous Butter Oil	Test for Turmeric	FSSAI Manual Method for Analysis of Foods (Food Additives), Method 4.0
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee, Milk Fat, Butter Oil, Anhydrous Milk Fat, Anhydrous Butter Oil, Extracted Fat	Baudouin Test	FSSAI 01.091

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9536 **Page No** 3 of 5

Validity 19/05/2023 to 18/05/2025 **Last Amended on** 24/05/2023

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24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee, Milk Fat, Butter Oil, Anhydrous Milk Fat, Anhydrous Butter Oil, Extracted Fat	Butyro-refrectometer Reading at 40 degree C	FSSAI 01.088
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee, Milk Fat, Butter Oil, Anhydrous Milk Fat, Anhydrous Butter Oil, Extracted Fat	Reichert Meissl Value	FSSAI 01.090
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Fat, Butter Oil, Anhydrous Milk Fat, Anhydrous Butter Oil	Peroxide value	FSSAI 01.094
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Raw and Refined Coconut Oil	Polenske Value	FSSAI 02.011
28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Raw and refined Palm Oil	Cloud Point	FSSAI 02.015
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea – Green Tea, Black Tea, Tea (raw, processed, instant) , Tea Leaves	Acid Insoluble Ash	FSSAI Manual Method for Analysis of Foods (Beverages (coffee, tea, cocoa, chicory) Sugar and sugar products & confectionery products), Method 5.5
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea – Green Tea, Black Tea, Tea (raw, processed, instant) , Tea Leaves	Alkalinity of Water Soluble Ash expressed as KOH (m/m)	FSSAI Manual Method for Analysis of Foods (Beverages (coffee, tea, cocoa, chicory) Sugar and sugar products & confectionery products) 2015, Method 5.7
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea – Green Tea, Black Tea, Tea (raw, processed, instant) , Tea Leaves	Moisture	FSSAI Manual Method for Analysis of Foods (Beverages (coffee, tea, cocoa, chicory) Sugar and sugar products & confectionery products), Method 5.2
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea – Green Tea, Black Tea, Tea (raw, processed, instant) , Tea Leaves	Total Ash	FSSAI Manual Method for Analysis of Foods (Beverages (coffee, tea, cocoa, chicory) Sugar and sugar products & confectionery products), Method 5.3

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Laboratory Name :	PUBLIC HEALTH LABORATORY, SURAT MUNICIPAL CORPORATION, 2ND FLOOR, VESU URBAN COMMUNITY HEALTH CENTER, VIP ROAD, VESU, SURAT, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9536	**Page No**	4 of 5
Validity	19/05/2023 to 18/05/2025	**Last Amended on**	24/05/2023

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33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea – Green Tea, Black Tea, Tea (raw, processed, instant) , Tea Leaves	Water Extract	FSSAI Manual Method for Analysis of Foods (Beverages (coffee, tea, cocoa, chicory) Sugar and sugar products & confectionery products), Method 5.6
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea – Green Tea, Black Tea, Tea (raw, processed, instant) , Tea Leaves	Water Soluble Ash	FSSAI Manual Method for Analysis of Foods (Beverages (coffee, tea, cocoa, chicory) Sugar and sugar products & confectionery products), Method 5.4
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric (Powdered and finger)	Test for Lead Chromate	FSSAI 10.033
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole and powder Mustard, Chllies Powder	Test for Argemone	FSSAI 10.015
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole and powder of Black/Green/White pepper	Test for Mineral oil	FSSAI 10.023
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole and powder of Caraway, Cardamom, Chillies, Cinnamon, cassia, Cloves, Coriander, Cumin, Fennel, Fenugreek, Ginger, Mace, Mustard, Nutmeg, black and white Pepper, Poppy, Saffron, Turmeric, Curry powder, Aniseed, Ajwain, Mixed Masala, Dried Mango Powder, Dehydrated Onion, Dehydrated Garlic,), Asafoetida, Compounded Asafoetida, seasoning powder, Tejpat, Star Anis, Dried Oregano, Dried Mint, Dried Rosemary, Dried Sweet Basil leaves, Pickle masala, Garam Masala	Extraneous Matter	FSSAI 10.002
39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole and powder of Caraway, Cardamom, Chillies, Cinnamon, cassia, Cloves, Coriander, Cumin, Fennel, Fenugreek, Ginger, Mace, Mustard, Nutmeg, black and white Pepper, Poppy, Saffron, Turmeric, Curry powder, Aniseed, Ajwain, Mixed Masala, Dried Mango Powder, Dehydrated Onion, Dehydrated Garlic,), Asafoetida, Compounded Asafoetida, seasoning power, Tejpat, Star Anis, Dried Oregano, Dried Mint, Dried Rosemary, Dried Sweet Basil leaves, Pickle masala, Garam Masala	Ash insoluble in dilute HCl or Acid-insoluble Ash	FSSAI 10.007

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9536	**Page No**	5 of 5
Validity	19/05/2023 to 18/05/2025	**Last Amended on**	24/05/2023

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40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole and powder of Caraway, Cardamom, Chillies, Cinnamon, cassia, Cloves, Coriander, Cumin, Fennel, Fenugreek, Ginger, Mace, Mustard, Nutmeg, black and white Pepper, Poppy, Saffron, Turmeric, Curry powder, Aniseed, Ajwain, Mixed Masala, Dried Mango Powder, Dehydrated Onion, Dehydrated Garlic,), Asafoetida, Compounded Asafoetida, seasoning power, Tejpat, Star Anis, Dried Oregano, Dried Mint, Dried Rosemary, Dried Sweet Basil leaves, Pickle masala, Garam Masala	Insect Fragments and Rodent contamination	FSSAI 10.002
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole and powder of Caraway, Cardamom, Chillies, Cinnamon, cassia, Cloves, Coriander, Cumin, Fennel, Fenugreek, Ginger, Mace, Mustard, Nutmeg, black and white Pepper, Poppy, Saffron, Turmeric, Curry powder, Aniseed, Ajwain, Mixed Masala, Dried Mango Powder, Dehydrated Onion, Dehydrated Garlic,), Asafoetida, Compounded Asafoetida, seasoning power, Tejpat, Star Anis, Dried Oregano, Dried Mint, Dried Rosemary, Dried Sweet Basil leaves, Pickle masala, Garam Masala	Live and Dead Insects	FSSAI 10.002
42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole and powder of Caraway, Cardamom, Chillies, Cinnamon, cassia, Cloves, Coriander, Cumin, fennel, Fenugreek, Ginger, Mace, Mustard, Nutmeg, black and white Pepper, Poppy, Saffron, Turmeric, Curry powder, Aniseed, Ajwain, Mixed Masala, Dried Mango Powder, Dehydrated Onion, Dehydrated Garlic,), Asafoetida, Compounded Asafoetida, seasoning power, Tejpat, Star Anis, Dried Oregano, Dried Mint, Dried Rosemary, Dried Sweet Basil leaves, Pickle masala, Garam Masala	Moisture	FSSAI 10.003
43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole and powder of Caraway, Cardamom, Chillies, Cinnamon, cassia, Cloves, Coriander, Cumin, Fennel, Fenugreek, Ginger, Mace, Mustard, Nutmeg, black and white Pepper, Poppy, Saffron, Turmeric, Curry powder, Aniseed, Ajwain, Mixed Masala, Dried Mango Powder, Dehydrated Onion, Dehydrated Garlic,), Asafoetida, Compounded Asafoetida, seasoning power, Tejpat, Star Anis, Dried Oregano, Dried Mint, Dried Rosemary, Dried Sweet Basil leaves, Pickle masala, Garam Masala	Total Ash	FSSAI 10.006
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole and powder of Chillies, Mace, Mustard, Nutmeg, black and white Pepper, Poppy, Curry powder, Garam Masala	Non-volatile ether extract	FSSAI 10.012