National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PLANT LIPIDS QUALITY CONTROL LABORATORY, KADAYIRUPPU, KOLENCHERY, ERNAKULAM, COCHIN, KERALA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5416 **Page No** 1 of 6

Validity 10/04/2023 to 09/04/2025 **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	Capsicum Oleoresins	Capsaicinoids	AOAC 21st Edition Chapter 43 (43.1.43) 995.03 Page No.14 (HPLC Method)
2	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Capsicum Oleoresins	Capsaicinoids	ISO 7543-1 (Spectrophotometer)
3	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Powder	Total Capsaicinoids	AOAC 21st Edition Chapter 43 (43.1.43) 995.03 Page No.14 (HPLC Method)
4	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Curcumin Powder	Curcumin	ASTA 4th Edition Method 18.0
5	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Ginger Oil	Optical Rotation @25°C	FCC 12th Edition
6	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Lemon Grass Oil	Optical Rotation @25°C	FCC 12th Edition
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Black Pepper Oil	Optical Rotation @25°C	FCC 12th Edition
8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Black Pepper Oil	Refractive Index @20°C	FCC 12th Edition
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Black Pepper Oil	Specific Gravity @25°C	FCC 12th Edition
10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Cardamom Oil	Refractive Index @20°C	FCC 12th Edition
11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Cardamom Oil	Specific Gravity @25°C	FCC 12th Edition
12	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Coriander Oil	Optical Rotation @25°C	FCC 12th Edition
13	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Coriander Oil	Refractive Index @20°C	FCC 12th Edition

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14	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Cumin Seed Oil	Refractive Index @20°C	FCC 12th Edition
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Cumin Seed Oil	Optical Rotation	FCC 12th Edition Appendix II (P art 324) Page No.1278
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Cumin Seed Oil	Specific Gravity @25°C	FCC 12th Edition
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Ginger Oil	Refractive Index @20°C	FCC 12th Edition
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Lemon Grass Oil	Refractive Index @20°C	FCC 12th Edition
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Lemon Grass Oil	Specific Gravity @25°C	FCC 12th Edition
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Mace Oil	Optical Rotation @25°C	FCC 12th Edition
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Mace Oil	Specific Gravity	FCC 12th Edition
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Nutmeg Oil	Optical Rotation @25°C	FCC 12th Edition
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Nutmeg Oil	Specific Gravity @25°C	FCC 12th Edition
24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Palmarosa Oil	Refractive Index @20°C	FCC 12th Edition
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Palmarosa Oil	Optical Rotation @25°C	FCC 12th Edition
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil - Palmarosa Oil	Specific Gravity @25°C	FCC 12th Edition
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil -Cardamom Oil	Optical Rotation @25°C	FCC 12th Edition

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28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil- Ginger Oil	Specific Gravity @25°C	FCC 12th Edition
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil- Mace Oil	Refractive Index @20°C	FCC 12th Edition
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Essential Oil- Nutmeg Oil	Refractive index @20°C	FCC 12th Edition
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Esssential Oil - Coriander Oil	Specific Gravity @25°C	FCC 12th Edition
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Paprika and Capsicum Oleoresins	Colour	ASTA 4th Edition Method 20.1
33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pepper Oleoresin (Black & White)	Piperine	ASTA 4th Edition Method 12.1
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spice Oleoresins	Volatile Oil (Heavier than Water)	ASTA 4th Edition Method 5.1
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spice Oleoresins	Volatile Oil (Lighter than water)	ASTA 4th Edition Method 5.1
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices	Acid Insoluble Ash	ASTA 4th Edition Method 4.0
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices	Total Ash	ASTA 4th Edition Method 3.0
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices and Spice Oleoresins	Moisture Content	ASTA 4th Edition Method 2.0
39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Oleoresin	Curcumin	ASTA 4th Edition Method 18.0
40	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice	Organochlorine - Endosulfan-1	MOA/PL/QC/119-2 (Issue Date: 04.04.2018)
41	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Acetone	FCC 12th Edition

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42	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Ethyl Acetate	FCC 12th Edition
43	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Ethyl Alcohol	FCC 12th Edition
44	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Hexane	FCC 12th Edition
45	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Methanol	FCC 12th Edition
46	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Aflatoxin (B1)	ASTA 4th Edition Method 24.2 (Using HPLC with Fluorescence Detector)
47	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Aflatoxin (B2)	ASTA 4th Edition Method 24.2 (Using HPLC with Fluorescence Detector)
48	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Aflatoxin (G1)	ASTA 4th Edition Method 24.2 (Using HPLC with Fluorescence Detector)
49	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Aflatoxin (G2)	ASTA 4th Edition Method 24.2 (Using HPLC with Fluorescence Detector)
50	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Ochratoxin (A)	MOA/PL/QC/177-4
51	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Organochlorine- Heptachlor	MOA/PL/QC/122
52	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Organochlorine- 4,4 DDT	MOA/PL/QC/122
53	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Organochlorine-Lindane	MOA/PL/QC/122
54	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Organophosphorous - Ethion	MOA/PL/QC/181 (Issue no :1, Issue Date :04.04.2022)
55	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Organophosphorous - Fenamiphos	MOA/PL/QC/181 (Issue no : 1, Issue date : 04.04.2022)
56	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Organophosphorous - Parathion Methyl	MOA/PL/QC/181 (issue no : 1, Issue date : 04.04.2022)
57	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Organophosphorous - Profenofos	MOA/PL/QC/181 (Issue no : 1, Issue date : 04.04.2022)
58	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Organophosphorous - Quinalphos	MOA/PL/QC/181 (issue no : 1, Issue date : 04.04.2022)

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59	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Organophosphorous - Triazophos	MOA/PL/QC/181 (Issue no : 1, Issue date : 04.04.2022)
60	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Organophosphrous - Malathion	MOA/PL/QC/181 (Issue no :1, Issue date : 04.04.2022)
61	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spice Oleoresins	Rhodamine B	MOA/PL/QC/121
62	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Organochlorine -4,4- DDT	MOA/PL/QC/119-2 (Issue Date: 04.04.2018)
63	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Aflatoxin (B1)	ASTA 4th Edition Method 24.2 (Using HPLC with Fluorescence Detector)
64	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Aflatoxin (B2)	ASTA 4th Edition Method 24.2 (Using HPLC with Fluorescence Detector)
65	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Aflatoxin (G1)	ASTA 4th Edition Method 24.2 (Using HPLC with Fluorescence Detector)
66	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Aflatoxin (G2)	ASTA 4th Edition Method 24.2 (Using HPLC with Fluorescence Detector)
67	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Ochratoxin A	MOA/PL/QC/177-4
68	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Organochlorine- Ethion	MOA/PL/QC/181
69	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Organochlorine- Heptachlor	MOA/PL/QC/119 (Issue No:3, Issued Date: 04.04.2022)
70	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Organochlorine- Lindane	MOA/PL/QC/119 (Issue no:3,Issue Date: 04.04.2022)
71	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Organophosphorous - Chlorpyrifos	MOA/PL/QC/181 (Issue no : 1, Issue date : 04.04.2022)
72	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Organophosphorous - Chlorpyrifos Methyl	MOA/PL/QC/181 (Issue no : 1, Issue date : 04.04.2022)
73	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Organophosphorous - Fenamiphos	MOA/PL/QC/181 (Issue no : 1, Issue date : 04.04.2022)
74	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Organophosphorous - Malathion	MOA/PL/QC/181 (Issue no : 1, Issue date : 04.04.2022)
75	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Organophosphorous - Parathion Methyl	MOA/PL/QC/181 (Issue no : 1, Issue date : 04.04.2022)

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76	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Organophosphorous - Profenofos	MOA/PL/QC/181 (Issue no : 1, Issue date : 04.04.2022)
77	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Organophosphorous - Quinalphos	MOA/PL/QC/181 (Issue no : 1, Issue date : 04.04.2022)
78	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Organophosphrous - Ethion	MOA/PL/QC/181 (Issue no : 1, Issue date : 04.04.2022)
79	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices	Organophosphrous - Triazophos	MOA/PL/QC/181 (Issue no : 1, Issue date : 04.04.2022)
80	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices Oleoresins	Organochlorine - Endosulfan	MOA/PL/QC/122
81	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices Oleoresins	Organophosphorous - Chlorpyrifos Methyl	MOA/PL/QC/181 (Issue no : 1, Issue date : 04.04.2022)
82	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices Oleoresins	Organophosphorous - Chlorpyrifos	MOA/PL/QC/181 (Issue no : 1, Issue date : 04.04.2022)