National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : FARM DIAGNOSTIC SERVICES (AGRI LAB) SMARTCHEM TECHNOLOGIES LIMITED, CREATICITY, 4TH FLOOR, AIRPORT ROAD, SHASTRI NAGAR, YERWADA, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9201 **Page No** 1 of 2

Validity 06/01/2021 to 05/01/2023 **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	Plants Leaves (Grapes, Pomogranate, Mango, Sugarcane, Banana, Cotton, Soyabean, Tomato, Potato, Apple, Wheat, Maize, Groundnut, Onion, Citrus, Papaya)	Total Boron	AOAC INTERNATIONAL 21st Edition, 2019
2	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Plants Leaves (Grapes, Pomogranate, Mango, Sugarcane, Banana, Cotton, Soyabean, Tomato, Potato, Apple, Wheat, Maize, Groundnut, Onion, Citrus, Papaya)	Total Calcium	AOAC INTERNATIONAL 21st Edition, 2019
3	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Plants Leaves (Grapes, Pomogranate, Mango, Sugarcane, Banana, Cotton, Soyabean, Tomato, Potato, Apple, Wheat, Maize, Groundnut, Onion, Citrus, Papaya)	Total Copper	AOAC INTERNATIONAL 21st Edition, 2019
4	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Plants Leaves (Grapes, Pomogranate, Mango, Sugarcane, Banana, Cotton, Soyabean, Tomato, Potato, Apple, Wheat, Maize, Groundnut, Onion, Citrus, Papaya)	Total Iron	AOAC INTERNATIONAL 21st Edition, 2019: 2019
5	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Plants Leaves (Grapes, Pomogranate, Mango, Sugarcane, Banana, Cotton, Soyabean, Tomato, Potato, Apple, Wheat, Maize, Groundnut, Onion, Citrus, Papaya)	Total Magnesium	AOAC INTERNATIONAL 21st Edition, 2019
6	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Plants Leaves (Grapes, Pomogranate, Mango, Sugarcane, Banana, Cotton, Soyabean, Tomato, Potato, Apple, Wheat, Maize, Groundnut, Onion, Citrus, Papaya)	Total Manganese	AOAC INTERNATIONAL 21st Edition, 2019
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Plants Leaves (Grapes, Pomogranate, Mango, Sugarcane, Banana, Cotton, Soyabean, Tomato, Potato, Apple, Wheat, Maize, Groundnut, Onion, Citrus, Papaya)	Total Nitrogen	AOAC INTERNATIONAL 21st Edition, 2019
8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Plants Leaves (Grapes, Pomogranate, Mango, Sugarcane, Banana, Cotton, Soyabean, Tomato, Potato, Apple, Wheat, Maize, Groundnut, Onion, Citrus, Papaya)	Total Phosphorous	AOAC INTERNATIONAL 21st Edition, 2019
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Plants Leaves (Grapes, Pomogranate, Mango, Sugarcane, Banana, Cotton, Soyabean, Tomato, Potato, Apple, Wheat, Maize, Groundnut, Onion, Citrus, Papaya)	Total Potassium	AOAC INTERNATIONAL 21st Edition, 2019
10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Plants Leaves (Grapes, Pomogranate, Mango, Sugarcane, Banana, Cotton, Soyabean, Tomato, Potato, Apple, Wheat, Maize, Groundnut, Onion, Citrus, Papaya)	Total Sulphur	FAO: 19
11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Plants Leaves (Grapes, Pomogranate, Mango, Sugarcane, Banana, Cotton, Soyabean, Tomato, Potato, Apple, Wheat, Maize, Groundnut, Onion, Citrus, Papaya)	Total Zinc	AOAC INTERNATIONAL 21st Edition, 2019
12	CHEMICAL- SOIL AND ROCK	Soil	Boron	Method Manual Soil Testing in India, Department of Agriculture Government of India
13	CHEMICAL- SOIL AND ROCK	Soil	Copper	FAO 19

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14	CHEMICAL- SOIL AND ROCK	Soil	Electrical Conductivity	IS 14767
15	CHEMICAL- SOIL AND ROCK	Soil	Exchangeable Calcium	FAO 19
16	CHEMICAL- SOIL AND ROCK	Soil	Exchangeable Magnesium	FAO 19
17	CHEMICAL- SOIL AND ROCK	Soil	Iron	FAO 19
18	CHEMICAL- SOIL AND ROCK	Soil	Manganese	FAO 19
19	CHEMICAL- SOIL AND ROCK	Soil	Nitrogen	Analysis of Plant, Irrigation water & Soil ICAR
20	CHEMICAL- SOIL AND ROCK	Soil	Organic Carbon	Method of Analysis for Soil of Arid & Semi-Arid region FAO
21	CHEMICAL- SOIL AND ROCK	Soil	pH	IS: 2720 (part 26)
22	CHEMICAL- SOIL AND ROCK	Soil	Phosphorous	Method of Analysis for Soil of Arid & Semi-Arid region FAO
23	CHEMICAL- SOIL AND ROCK	Soil	Potassium	Method Manual Soil Testing in India, Department of Agriculture Government of India
24	CHEMICAL- SOIL AND ROCK	Soil	Sulphur	Method of Analysis for Soil of Arid & Semi-Arid region FAO: 2007
25	CHEMICAL- SOIL AND ROCK	Soil	Total Calcium Carbonate	Method of Analysis for Soil of Arid & Semi-Arid region FAO
26	CHEMICAL- SOIL AND ROCK	Soil	Zinc	FAO 19
27	CHEMICAL- WATER	Irrigation Water	Electrical Conductivity	IS 3025 (Part 14)
28	CHEMICAL- WATER	Irrigation Water	pH	IS302 (Part 11)