National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ZUARI FARMHUB LIMITED (AGRICULTURAL DEVELOPMENT LABORATORY- BENGALURU), NO 45, 2ND FLOOR, CNR ARCADE, VINAYAKA BADAVANE, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7058 **Page No** 1 of 3

Validity 23/03/2023 to 22/03/2025 **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- SOIL AND ROCK	Clays & Soil	Organic Carbon	Methods Manual -Soil Testing In India, Department of Agriculture & Cooperation Ministry of Agriculture Govt. of India:Clause No. 9 Page No 83 (using ICP - MS)
2	CHEMICAL- SOIL AND ROCK	Clays & Soils	Available Boron as B	Methods Manual -Soil Testing In India, Department of Agriculture & Cooperation Ministry of Agriculture Govt. of India: Clause No. 17b, Page No 115 (using ICP - MS)
3	CHEMICAL- SOIL AND ROCK	Clays & Soils	Available Calcium as Ca	Methods Manual -Soil Testing In India, Department of Agriculture & Cooperation Ministry of Agriculture Govt. of India: Clause No. 16b Page No 104 (using ICP - MS)
4	CHEMICAL- SOIL AND ROCK	Clays & Soils	Available Copper as Cu	Methods Manual -Soil Testing In India, Department of Agriculture & Cooperation Ministry of Agriculture Govt. of India: Clause No. 17a (ii), Page No 111 (using ICP - MS)
5	CHEMICAL- SOIL AND ROCK	Clays & Soils	Available Iron as Fe	Methods Manual -Soil Testing In India, Department of Agriculture & Cooperation Ministry of Agriculture Govt. of India: Clause No. 17a, Page No 112 (using ICP - MS)
6	CHEMICAL- SOIL AND ROCK	Clays & Soils	Available Magnesium as Mg	Methods Manual -Soil Testing In India, Department of Agriculture & Cooperation Ministry of Agriculture Govt. of India: Clause No.16b, Page No 104 (using ICP - MS)
7	CHEMICAL- SOIL AND ROCK	clays & Soils	Available Manganese as Mn	Methods Manual -Soil Testing In India, Department of Agriculture & Cooperation Ministry of Agriculture Govt. of India: Clause No. 17a, Page No 113 (using ICP - MS)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7058 **Page No** 2 of 3

Validity 23/03/2023 to 22/03/2025 **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
8	CHEMICAL- SOIL AND ROCK	Clays & Soils	Available Phosphorus as P2O5	Methods Manual -Soil Testing In India, Department of Agriculture & Cooperation Ministry of Agriculture Govt. of India: Clause No.13, Page No 95 (using spectrophotometer)
9	CHEMICAL- SOIL AND ROCK	Clays & Soils	Available Potassium as K2O	Methods Manual -Soil Testing In India, Department of Agriculture & Cooperation Ministry of Agriculture Govt. of India: Clause No. 14, Page No 99 (using ICP - MS)
10	CHEMICAL- SOIL AND ROCK	Clays & Soils	Available Sulphur as S	Methods Manual -Soil Testing In India, Department of Agriculture & Cooperation Ministry of Agriculture Govt. of India: Clause No. 15, Page No 100 (using ICP - MS)
11	CHEMICAL- SOIL AND ROCK	Clays & Soils	Available Zinc as Zn	Methods Manual -Soil Testing In India, Department of Agriculture & Cooperation Ministry of Agriculture Govt. of India: Clause No. 17a, Page No 109 (using ICP - MS)
12	CHEMICAL- SOIL AND ROCK	Clays & Soils	Electrical Conductivity	IS 14767
13	CHEMICAL- SOIL AND ROCK	Clays & Soils	pH	IS 2720 Part 26
14	CHEMICAL- WATER	Irrigation Water	Bicarbonate Alkalinity as HCO3	IS 3025 (Part 23) (by Indicator Method)
15	CHEMICAL- WATER	Irrigation Water	Calcium as Ca	IS 3025 (Part 40) (EDTA Titrimetric Method)
16	CHEMICAL- WATER	Irrigation Water	Carbonate Alkalinity as CO3	IS 3025 (Part 23) (by Indicator Method)
17	CHEMICAL- WATER	Irrigation Water	Chlorides as Cl	IS 3025 (Part 32) (by Argentometric Method)
18	CHEMICAL- WATER	Irrigation Water	Electrical Conductivity	IS 3025 (Part 14)
19	CHEMICAL- WATER	Irrigation Water	Magnesium as Mg	IS 3025 (Part 46) (by EDTA Titrimetric Method)
20	CHEMICAL- WATER	Irrigation Water	pH	IS 3025 (Part II) (by Electrometric Method)

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Validity	23/03/2023 to 22/03/2025	**Last Amended on**	-

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21	CHEMICAL- WATER	Irrigation Water	Potassium as K	IS 3025 (Part 45) (by Flame Photometric Method)
22	CHEMICAL- WATER	Irrigation Water	Residual Sodium Carbonate (RSC)	ZACL/SOP/02/00
23	CHEMICAL- WATER	Irrigation Water	Sodium Adsorption Ratio (SAR)	ZACL/SOP/01/00
24	CHEMICAL- WATER	Irrigation Water	Sodium as Na	IS 3025 (Part 45) (by Flame Photometric Method)
25	CHEMICAL- WATER	Irrigation Water	Sulphates as SO4	IS 3025 (Part 24) (by Turbidity Method)
26	CHEMICAL- WATER	Irrigation Water	Total Hardness as CaCO3	IS 3025 (Part 21) (by EDTA Titrimetric Method)