National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BIOSCIENCE RESEARCH FOUNDATION, SENGADU VILLAGE & POST, MANAVALA NAGAR VIA, KANDAMANGALAM, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9582 **Page No** 1 of 6

Validity 08/06/2021 to 07/06/2023 **Last Amended on** 08/09/2021

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	BIOLOGICAL-TOXICOLOGY	Agrochemicals, Drugs and Pharmaceuticals, Biocides, Plant products, Biopesticides	Invitro mammalian cell gene mutation	BRFC/TOX/SOP/005
2	BIOLOGICAL-TOXICOLOGY	Agrochemicals, Medical Devices, Drugs and Pharmaceuticals, Biocides, Plant products, Biopesticides/Biofertilizers	Acute injection toxicity	BRFC/TOX/SOP/012
3	BIOLOGICAL-TOXICOLOGY	Agrochemicals, Biocides, Plant products, Biopesticides	Collembola Reproduction toxicity test	BRFC/ECO/SOP/010
4	BIOLOGICAL-TOXICOLOGY	Agrochemicals, Biocides, Plant products, Biopesticides	Reproduction Test- Daphnia magna	BRFC/ECO/SOP/004
5	BIOLOGICAL-TOXICOLOGY	Agrochemicals, Biocides, Plant products, Biopesticides	Reproduction Toxicity - Earthworm	BRFC/ECO/SOP/006
6	BIOLOGICAL-TOXICOLOGY	Biocide (Herbicide)	Sediment/Water Microcosm Biodegradation test	OECD 308
7	BIOLOGICAL-TOXICOLOGY	Biocides (Insecticide)	Efficacy studies on Cockroaches	WHOPES
8	BIOLOGICAL-TOXICOLOGY	Biocides (Insecticides)	Efficacy studies on bed bugs	WHOPES
9	BIOLOGICAL-TOXICOLOGY	Biocides (Insecticides)	Repellent efficacy against mosquitoes	WHOPES
10	BIOLOGICAL-TOXICOLOGY	Biocides (Sanitizer)	Acute Dermal Irritation	OECD 404
11	BIOLOGICAL-TOXICOLOGY	Biocides (Sanitizer)	Acute Dermal Toxicity	OECD 402
12	BIOLOGICAL-TOXICOLOGY	Biocides (Sanitizer)	Skin Sensitization-Guinea Pigs	OECD 406
13	BIOLOGICAL-TOXICOLOGY	Biocides (Sanitizer-Nano-Neem)	Invitro Microbial Kill Rate	ASTME 2315
14	BIOLOGICAL-TOXICOLOGY	Biocides (Sanitizer-Nano-Neem)	Microbial Inhibitory concentration (MIC)	ASTM E 2315
15	BIOLOGICAL-TOXICOLOGY	Biocides (Sanitizer-Nano-Neem)	Minimum Bactericidal Concentration (MBC)	ASTM 2315
16	BIOLOGICAL-TOXICOLOGY	Biocides(Sanitizer-Nano Neem)	Dermal Phototoxicity	OECD 432
17	BIOLOGICAL-TOXICOLOGY	Biopesticide (Trichoderma Viride WP)	Acute Dermal Toxicity	OCSPP 885: 3100
18	BIOLOGICAL-TOXICOLOGY	Biopesticide (Trichoderma Viride WP)	Acute Dermal/Skin Irritation	OCSPP 870: 2500

SCOPE OF ACCREDITATION

Laboratory Name : BIOSCIENCE RESEARCH FOUNDATION, SENGADU VILLAGE & POST, MANAVALA NAGAR VIA, KANDAMANGALAM, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9582 **Page No** 2 of 6

Validity 08/06/2021 to 07/06/2023 **Last Amended on** 08/09/2021

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
19	BIOLOGICAL-TOXICOLOGY	Biopesticide (Trichoderma Viride WP)	Acute Eye Irritation	OCSPP 870 2400
20	BIOLOGICAL-TOXICOLOGY	Biopesticide (Trichoderma Viride WP)	Acute oral toxicity	OCSPP 885 3050
21	BIOLOGICAL-TOXICOLOGY	Biopesticide (Trichoderma Viride WP)	Acute Pulmonary Toxicity/Pathogenicity	OCSPP 885 3150
22	BIOLOGICAL-TOXICOLOGY	Biopesticides	Acute Intraperitoneal Toxicity	OCSPP 885.3200
23	BIOLOGICAL-TOXICOLOGY	Biopesticides (P. lilacinus LF), Biocides (Insecticide)	Acute fish toxicity	OECD 203
24	BIOLOGICAL-TOXICOLOGY	Biopesticides (P. lilacinus LF), Biocides (Insecticides)	Avian Acute toxicity	OECD 223
25	BIOLOGICAL-TOXICOLOGY	Biopesticides (P. lilacinus LF), Biocides (Insecticides)	Contact toxicity - Honey bees	OECD 2014
26	BIOLOGICAL-TOXICOLOGY	Biopesticides (P. lilacinus LF), Biocides (Insecticides)	Oral toxicity - Honey bees	OECD 2013
27	BIOLOGICAL-TOXICOLOGY	Biopesticides (P. lilacinus LF), Fertilizers (Nano Copper)	Avian Dietary toxicity	OECD 205
28	BIOLOGICAL-TOXICOLOGY	Biopesticides (P. lilacinus LF), Fungicide (SC Formulation)	Acute Toxicity - Earthworm	OECD 207
29	BIOLOGICAL-TOXICOLOGY	Fertilizer (Nano Zinc)	Bovine corneal opacity (BCOP)	OECD 437
30	BIOLOGICAL-TOXICOLOGY	Fertilizers (Nano Nitrogen NI)	Invitro Skin absorption	OECD 428
31	BIOLOGICAL-TOXICOLOGY	Fertilizers (Nano Nitrogen ZI)	Invitro Skin Corrosion	OECD 431
32	BIOLOGICAL-TOXICOLOGY	Fungicide (Difenoconazole Technical)	Micronucleus Test (invitro)	OECD 474
33	BIOLOGICAL-TOXICOLOGY	Fungicide (Difenoconazole Technical)	Micronucleus Test (invivo)	OECD 487
34	BIOLOGICAL-TOXICOLOGY	Fungicide (EC Formulation)	Collembola acute toxicity test	OECD 232
35	BIOLOGICAL-TOXICOLOGY	Fungicide (EC Formulation)	Terrestrial Plant Test - Vegetative Vigour test	OECD 227
36	BIOLOGICAL-TOXICOLOGY	Fungicide (EC Formulation)	Terrestrial plant test - Seedling emergence and Seeding growth test	OECD 208

SCOPE OF ACCREDITATION

Laboratory Name :	BIOSCIENCE RESEARCH FOUNDATION, SENGADU VILLAGE & POST, MANAVALA NAGAR VIA, KANDAMANGALAM, KANCHIPURAM, TAMIL NADU, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-9582
Page No	3 of 6
Validity	08/06/2021 to 07/06/2023
Last Amended on	08/09/2021

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
37	BIOLOGICAL-TOXICOLOGY	Fungicide (SC Formulation)	Algae - Growth Inhibition Test	OECD 201
38	BIOLOGICAL-TOXICOLOGY	Fungicide (SC Formulation)	Honey Bee feeding toxicity	OECD 245
39	BIOLOGICAL-TOXICOLOGY	Fungicide(SC Formulation)	Honey Bee larva -Toxicity (Single Exposure)	OECD 237
40	BIOLOGICAL-TOXICOLOGY	Herbicide (Diclosulam Technical)	Chromosomal Aberration (Invitro)	OECD 273
41	BIOLOGICAL-TOXICOLOGY	Herbicide (SC Formulation)	Lemna gibba - Growth Inhibition Test	OECD 221
42	BIOLOGICAL-TOXICOLOGY	Herbicide (SL Formulation)	Acute immobilization Test – Daphnia magna	OECD 202
43	BIOLOGICAL-TOXICOLOGY	Insecticide (Copper Hydroxide Technical, Dinotefuran Technical)	Ames Test	OECD 471
44	BIOLOGICAL-TOXICOLOGY	Insecticide (SC Formulation)	Carbon Transformation	OECD 217
45	BIOLOGICAL-TOXICOLOGY	Insecticide (SC Formulation)	Nitrogen Transformation	OECD 216
46	BIOLOGICAL-TOXICOLOGY	Insecticide (Spiromesifen SC)	Acute Oral Toxicity	OECD 423/425
47	BIOLOGICAL-TOXICOLOGY	Insecticide (Spiromesifen SC)	Eye irritation	OECD 405
48	BIOLOGICAL-TOXICOLOGY	Insecticide (Spiromesifen SC)	Skin irritation	OECD 404
49	BIOLOGICAL-TOXICOLOGY	Insecticide (Spiromesifen SC)	Skin Sensitization test	OECD 406
50	BIOLOGICAL-TOXICOLOGY	Insecticide (Spyromesifen SC)	Acute Dermal Toxicity	OECD 402
51	BIOLOGICAL-TOXICOLOGY	Insecticide (Spyromesifen SC)	Acute Inhalation	OECD 403
52	BIOLOGICAL-TOXICOLOGY	Insecticide/Fungicide(Copper Hydroxide Technical, Dinotefuran Technical, Diclosulam Technical, Chlorantraniliprole Technical, Difenoconazole Technical)	Cytotoxicity test	ISO 10993-10
53	BIOLOGICAL-TOXICOLOGY	Medical Devices	Acute systemic toxicity	BRFC/TOX/SOP/014
54	BIOLOGICAL-TOXICOLOGY	Medical Devices	Material mediated pyrogenicity	BRFC/TOX/SOP/015

SCOPE OF ACCREDITATION

Laboratory Name :	BIOSCIENCE RESEARCH FOUNDATION, SENGADU VILLAGE & POST, MANAVALA NAGAR VIA, KANDAMANGALAM, KANCHIPURAM, TAMIL NADU, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-9582
Page No	4 of 6
Validity	08/06/2021 to 07/06/2023
Last Amended on	08/09/2021

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
55	BIOLOGICAL-TOXICOLOGY	Medical Devices	MTT cytotoxicity	ISO 10993-05
56	BIOLOGICAL-TOXICOLOGY	Medical Devices (Surgical Gloves)	Acute Dermal Irritation	ISO 10993-10
57	BIOLOGICAL-TOXICOLOGY	Medical Devices (Surgical Suture)	Acute Systemic Toxicity	ISO 10993-11
58	BIOLOGICAL-TOXICOLOGY	Medical Devices (Surgical Suture)	NRU cytotoxicity	ISO 10993-05
59	CHEMICAL- AYUSH PRODUCTS	Ayurveda/siddha/Herbal formulations/ Proprietary Medicine	Arsenic	BRFC/CHE/SOP/036
60	CHEMICAL- AYUSH PRODUCTS	Ayurveda/siddha/Herbal formulations/ Proprietary Medicine	Cadmium	BRFC/CHE/SOP/036
61	CHEMICAL- AYUSH PRODUCTS	Ayurveda/siddha/Herbal formulations/ Proprietary Medicine	Copper	BRFC/CHE/SOP/036
62	CHEMICAL- AYUSH PRODUCTS	Ayurveda/siddha/Herbal formulations/ Proprietary Medicine	Lead	BRFC/CHE/SOP/036
63	CHEMICAL- PESTICIDE FORMULATIONS	2,4 DMA 35.7% + Dicamba DMA 12.4% SL	Acidic or Basic	BRFC/CHE/SOP/001
64	CHEMICAL- PESTICIDE FORMULATIONS	2,4 DMA 35.7% + Dicamba DMA 12.4% SL	Density or Specific Gravity	BRFC/CHE/SOP/001
65	CHEMICAL- PESTICIDE FORMULATIONS	2,4 DMA 35.7% + Dicamba DMA 12.4% SL	Explodability	BRFC/CHE/SOP/013
66	CHEMICAL- PESTICIDE FORMULATIONS	2,4 DMA 35.7% + Dicamba DMA 12.4% SL	Flash point	BRFC/CHE/SOP/014
67	CHEMICAL- PESTICIDE FORMULATIONS	2,4 DMA 35.7% + Dicamba DMA 12.4% SL	Miscibility	BRFC/CHE/SOP/025
68	CHEMICAL- PESTICIDE FORMULATIONS	2,4 DMA 35.7% + Dicamba DMA 12.4% SL	Persistent foaming	BRFC/CHE/SOP/001
69	CHEMICAL- PESTICIDE FORMULATIONS	2,4 DMA 35.7% + Dicamba DMA 12.4% SL	pH	BRFC/CHE/SOP/001
70	CHEMICAL- PESTICIDE FORMULATIONS	2,4 DMA 35.7% + Dicamba DMA 12.4% SL	Pourability	BRFC/CHE/SOP/001
71	CHEMICAL- PESTICIDE FORMULATIONS	2,4 DMA 35.7% + Dicamba DMA 12.4% SL	Wet Sieve	BRFC/CHE/SOP/007
72	CHEMICAL- PESTICIDE FORMULATIONS	Prometryn 44 % SC	Density or Specific Gravity	BRFC/CHE/SOP/001
73	CHEMICAL- PESTICIDE FORMULATIONS	Prometryn 44% SC	pH	BRFC/CHE/SOP/001

SCOPE OF ACCREDITATION

Laboratory Name : BIOSCIENCE RESEARCH FOUNDATION, SENGADU VILLAGE & POST, MANAVALA NAGAR VIA, KANDAMANGALAM, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9582 **Page No** 5 of 6

Validity 08/06/2021 to 07/06/2023 **Last Amended on** 08/09/2021

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
74	CHEMICAL- PESTICIDE FORMULATIONS	Prometryn 44% SC	Wet Sieve	BRFC/CHE/SOP/007
75	CHEMICAL- PESTICIDE FORMULATIONS	Prometryn 44% SC	Acidic or Basic	BRFC/CHE/SOP/001
76	CHEMICAL- PESTICIDE FORMULATIONS	Prometryn 44% SC	Explodability	BRFC/CHE/SOP/013
77	CHEMICAL- PESTICIDE FORMULATIONS	Prometryn 44% SC	Flash point	BRFC/CHE/SOP/014
78	CHEMICAL- PESTICIDE FORMULATIONS	Prometryn 44% SC	Miscibility	BRFC/CHE/SOP/025
79	CHEMICAL- PESTICIDE FORMULATIONS	Prometryn 44% SC	Persistent foaming	BRFC/CHE/SOP/001
80	CHEMICAL- PESTICIDE FORMULATIONS	Prometryn 44% SC	Pourability	BRFC/CHE/SOP/001
81	CHEMICAL- PESTICIDE FORMULATIONS	Propiconazole 25% EC	Acidic or Basic	BRFC/CHE/SOP/001
82	CHEMICAL- PESTICIDE FORMULATIONS	Propiconazole 25% EC	Density or Specific Gravity	BRFC/CHE/SOP/001
83	CHEMICAL- PESTICIDE FORMULATIONS	Propiconazole 25% EC	Flash point	BRFC/CHE/SOP/014
84	CHEMICAL- PESTICIDE FORMULATIONS	Propiconazole 25% EC	Persistent foaming	BRFC/CHE/SOP/001
85	CHEMICAL- PESTICIDE FORMULATIONS	Propiconazole 25% EC	pH	BRFC/CHE/SOP/001
86	CHEMICAL- PESTICIDE FORMULATIONS	Propiconazole 25% EC	Explodability	BRFC/CHE/SOP/013
87	CHEMICAL- PESTICIDE FORMULATIONS	Propiconazole 25% EC	Miscibility	BRFC/CHE/SOP/025
88	CHEMICAL- PESTICIDE FORMULATIONS	Propiconazole 25% EC	Pourability	BRFC/CHE/SOP/001
89	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	Alpha BHC	BRFC/CHE/SOP/035
90	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	Beta BHC	BRFC/CHE/SOP/035
91	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	Calcium	BRFC/CHE/SOP/035
92	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	Chloride	BRFC/CHE/SOP/035

SCOPE OF ACCREDITATION

Laboratory Name :	BIOSCIENCE RESEARCH FOUNDATION, SENGADU VILLAGE & POST, MANAVALA NAGAR VIA, KANDAMANGALAM, KANCHIPURAM, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9582	**Page No**	6 of 6
Validity	08/06/2021 to 07/06/2023	**Last Amended on**	08/09/2021

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
93	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	Chlorpyrifos	BRFC/CHE/SOP/035
94	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	Colour	BRFC/CHE/SOP/001
95	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	Conductivity	BRFC/CHE/SOP/018
96	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	Delta BHC	BRFC/CHE/SOP/035
97	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	Fluoride	BRFC/CHE/SOP/035
98	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	Gamma BHC	BRFC/CHE/SOP/035
99	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	Isoproturon	BRFC/CHE/SOP/035
100	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	Monocrotophos	BRFC/CHE/SOP/035
101	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	Nitrate NO3	BRFC/CHE/SOP/035
102	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	Odour	BRFC/CHE/SOP/001
103	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	pH	BRFC/CHE/SOP/001
104	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	Physical State	BRFC/CHE/SOP/001
105	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	Total Alkalinity	BRFC/CHE/SOP/035
106	CHEMICAL- RESIDUES IN WATER	Drinking water (Tap/bore well water), Surface water, Groundwater/Packaged Drinking water, Irrigation water	Total Hardness	BRFC/CHE/SOP/035

NOTE- The Laboratory has demonstrated competence for the stated scope for WATER. This however does not fully cover the specification requirements of BIS for the Packaged Drinking Water as per IS 14543 and the Packaged Natural Mineral Water IS 13428.