National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : VIJAYA ENVIRO LABS, 13-261, VIJAYA NILAYAM, BHARATPURI COLONY, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10583 **Page No** 1 of 7

Validity 20/04/2022 to 19/04/2024 **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	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Compressed air sample	Total Plate count by air sampler in Agar Strip	ISO 8573 Part 7
2	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Compressed air sample	Yeast and Mould by air sampler in Agar Strip	ISO 8573 Part 7
3	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Indoor Air Monitoring	Total Plate count by Agar plate exposure method	ISO 18593:2004 IS:5403
4	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat food (Cooked Rice)	E.coli	IS 5887:1976 Part 1
5	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat food (Cooked Rice)	Total Plate Count	IS : 5402
6	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat food (Cooked Rice)	Yeast & Mold	IS 5403
7	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready to eat foods (Cooked Rice)	Coliforms	IS : 5401:2012 Part 1
8	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready to eat foods (Cooked Rice)	Salmonella spp	IS 5887:1999 Part 3
9	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready to eat foods (Veg and non-veg curry)	Coliforms	IS : 5401:2012 Part 1
10	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready to eat foods (Veg and non-veg curry)	E.coli	IS 5887:1976 Part 1
11	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready to eat foods (Veg and non-veg curry)	Salmonella spp	IS 5887:1999 Part 3
12	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready to eat foods (Veg and non-veg curry)	Total Plate Count	IS : 5402:
13	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready to eat foods (Veg and non-veg curry)	Yeast & Mold	IS 5403
14	BIOLOGICAL- WATER	Drinking Water	Aerobic Microbial Count At 30C	IS 5402

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15	BIOLOGICAL- WATER	Drinking Water	Coliform	IS 15185
16	BIOLOGICAL- WATER	Drinking Water	E.coli	IS 15185
17	BIOLOGICAL- WATER	Drinking water	Salmonella spp	IS :15187
18	BIOLOGICAL- WATER	Drinking Water	Yeast and Mould	IS:5403
19	BIOLOGICAL- WATER	Ground Water/Surface Water	Aerobic Microbial Count at 30C	IS 5402
20	BIOLOGICAL- WATER	Ground Water/Surface Water	Coliform	IS 15185: 2016
21	BIOLOGICAL- WATER	Ground Water/Surface Water	E.coli	IS 15185
22	BIOLOGICAL- WATER	Ground Water/Surface Water	Fecal Streptococci	IS:1622
23	BIOLOGICAL- WATER	Ground Water/Surface Water	Yeast and Mould	IS:5403
24	BIOLOGICAL- WATER	Packaged Drinking Water	Aerobic Microbial Count At 30C	IS 5402
25	BIOLOGICAL- WATER	Packaged Drinking Water	Coliforms	IS: 15185
26	BIOLOGICAL- WATER	Packaged Drinking Water	E.coli	IS: 15185
27	BIOLOGICAL- WATER	Packaged Drinking Water	Fecal Streptococci	IS:1622
28	BIOLOGICAL- WATER	Packaged Drinking Water	Yeast and Mould	IS:5403
29	BIOLOGICAL- WATER	Process water	Coliform	IS: 15185
30	BIOLOGICAL- WATER	Water for Processed Food Industry	Aerobic Microbial Count at 30C	IS 5402
31	BIOLOGICAL- WATER	Water for Processed Food Industry	Coliform	IS 15185
32	BIOLOGICAL- WATER	Water for Processed Food Industry	E.coli	IS 15185
33	BIOLOGICAL- WATER	Water for Processed Food Industry	Fecal Streptococci	IS:1622
34	BIOLOGICAL- WATER	Water for Processed Food Industry	Yeast and Mould	IS:5403
35	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Carbon di oxide CO2	VEL/STP/005-03
36	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Carbon Monoxide as CO	NIOSH 6604, NIOSH Manual of Analytical Methods
37	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Hydrogen Sulphide as H2S	VEL/STP/005-03
38	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Nitrogen Dioxide as NO2	NIOSH 6014, NIOSH Manual of Analytical Methods
39	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Oxygen as O2	NIOSH 6601, NIOSH Manual of Analytical Methods
40	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Relative Humidity as RH	VEL/SOP/QC/028, Issue No/Date: 04/01.01

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Accreditation Standard	ISO/IEC 17025:2017		
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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
41	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Sulphur Dioxide as SO2	ASTM D2914, Standard Test Methods for Sulfur Dioxide Content of the Atmosphere
42	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Temperature	VEL/SOP/QC/028, Issue No/Date: 04/01.01
43	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Volatile Organic Compounds	VEL/SOP/QC/016, Issue No/Date - 04/01.01
44	CHEMICAL- GASES	Gases for medical use and diving	Carbon di oxide CO2	ISO 8573 - 2010 Part – 6, VEL/STP/043, Issue No/Date: 04/01.02
45	CHEMICAL- GASES	Gases for medical use and diving	Carbon Monoxide as CO	ISO 8573 Part – 6, VEL/STP/043, Issue No/Date: 04/01.02
46	CHEMICAL- GASES	Gases for medical use and diving	Moisture Content/Water Content	ISO 8573-2010 Part - 3, VEL/STP/043, Issue No/Date: 04/01.02.
47	CHEMICAL- GASES	Gases for medical use and diving	Oxygen as O2	ISO 8573:2010 Part - 6, VEL/STP/005, Issue No/Date: 03/01.02
48	CHEMICAL- GASES	Gases for medical use and diving.	Dew Point	ISO 8573:2010, Part – 3, VEL/SOP/QC/54, Issue No/Date: 01/01.01
49	CHEMICAL- GASES	Nitrogen Gas	Carbon Monoxide as CO	ISO 8573 - 2010 Part – 6, VEL/STP/043, Issue No/Date: 04/01.02
50	CHEMICAL- GASES	Nitrogen Gas	Moisture Content/Water Content	ISO 8573-2010 Part - 3, VEL/STP/043, Issue No/Date: 04/01.02
51	CHEMICAL- GASES	Nitrogen gas	Oxygen	ISO 8573 Part - 6 (2010), VEL/STP/005, Issue No/Date: 03/01.02
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Biochemical oxygen demand	IS 3025 Part 44
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	APHA 5220-B
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chlorides as Cl	APHA -4500CI-B
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	APHA -4500-B

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56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphate as So4	IS 3025
57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolved Solids	APHA -2540-C
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solids	APHA -2540-C
59	CHEMICAL- WATER	Drinking Water	Calcium as Ca	APHA 23rd Edition 3500 Ca B EDTA Titrimetric method
60	CHEMICAL- WATER	Drinking Water	Calcium as Ca	IS 3025 (Part 40)
61	CHEMICAL- WATER	Drinking Water	Chlorides as Cl	APHA 23rd Edition 4500 Cl B Argentometric method
62	CHEMICAL- WATER	Drinking Water	Chlorides as Cl	IS 3025 (Part 32)
63	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	IS 3025 (Part 14)
64	CHEMICAL- WATER	Drinking Water	Iron as Fe	APHA 23rd Edition 3500 Fe B Phenanthroline method
65	CHEMICAL- WATER	Drinking Water	Iron as Fe	IS 3025 (Part 53)
66	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	IS 3025 Part 46
67	CHEMICAL- WATER	Drinking Water	Nitrate as NO3	IS 3025 (Part 34)
68	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 5)
69	CHEMICAL- WATER	Drinking Water	pH value at 25 C	APHA 23rd Edition - 4500 H+ - Electrometric method
70	CHEMICAL- WATER	Drinking Water	pH value at 25 C	IS 3025 (Part 11)
71	CHEMICAL- WATER	Drinking Water	Potassium as K	APHA 23rd Edition – 3500 K B Flame Emission Photometric method
72	CHEMICAL- WATER	Drinking Water	Potassium K	IS 3025 (Part 45)
73	CHEMICAL- WATER	Drinking Water	Sodium as Na	APHA 23rd Edition – 3500 Na B Flame Emission Photometric method
74	CHEMICAL- WATER	Drinking Water	Sodium as Na	IS 3025 (Part 45)
75	CHEMICAL- WATER	Drinking Water	Sulphate as SO4	APHA 23rd Edition – 4500 SO4 Turbidity method
76	CHEMICAL- WATER	Drinking Water	Sulphate as SO4	IS 3025 (Part 24)
77	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	APHA 23rd Edition – 2320 B Titration method
78	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)

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79	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids (Inorganic)	APHA 23rd Edition – 2540 C
80	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids (Inorganic)	IS 3025 (Part 16)
81	CHEMICAL- WATER	Drinking Water	Total hardness as CaCO3	APHA 23rd Edition – 2340 C EDTA Method
82	CHEMICAL- WATER	Drinking Water	Total hardness as CaCO3	IS 3025 (Part 21)
83	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
84	CHEMICAL- WATER	Ground Water	Calcium as Ca	APHA 23rd Edition – 3500 Ca B EDTA Titrimetric method
85	CHEMICAL- WATER	Ground Water	Calcium as Ca	IS 3025 (Part 40)
86	CHEMICAL- WATER	Ground Water	Chlorides as Cl	APHA 23rd Edition – 4500 Cl B Argentometric method
87	CHEMICAL- WATER	Ground Water	Chlorides as Cl	IS 3025 (Part 32)
88	CHEMICAL- WATER	Ground Water	Electrical Conductivity	APHA 23rd Edition – 2510 B
89	CHEMICAL- WATER	Ground Water	Electrical Conductivity	IS 3025 (Part 14)
90	CHEMICAL- WATER	Ground Water	Iron as Fe	APHA 23rd Edition, 3500 Fe B Phenanthroline method
91	CHEMICAL- WATER	Ground Water	Iron as Fe	IS 3025 (Part 53)
92	CHEMICAL- WATER	Ground Water	Nitrate as NO3	IS 3025 (Part 34)
93	CHEMICAL- WATER	Ground Water	Odour	IS 3025 (Part 5)
94	CHEMICAL- WATER	Ground Water	pH value at 25 C	APHA 23rd Edition – 4500 H+- Electrometric method
95	CHEMICAL- WATER	Ground Water	pH value at 25 C	IS 3025 (Part 11)
96	CHEMICAL- WATER	Ground Water	Potassium as K	APHA 23rd Edition – 3500 K B Flame Emission Photometric method
97	CHEMICAL- WATER	Ground Water	Potassium as K	IS 3025 (Part 45)
98	CHEMICAL- WATER	Ground Water	Sodium as Na	APHA 23rd Edition – 3500 Na B Flame Emission Photometric method
99	CHEMICAL- WATER	Ground Water	Sodium as Na	IS 3025 (Part 45)
100	CHEMICAL- WATER	Ground Water	Sulphate as SO4	APHA 23rd Edition – 4500 SO4 Turbidity method
101	CHEMICAL- WATER	Ground Water	Sulphate as SO4	IS 3025 (Part 24)

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102	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO3	APHA 23rd Edition – 2320 B Titration method
103	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
104	CHEMICAL- WATER	Ground Water	Total Dissolved Solids (Inorganic)	APHA 23rd Edition – 2540 C
105	CHEMICAL- WATER	Ground Water	Total Dissolved Solids (Inorganic)	IS 3025 (Part 16)
106	CHEMICAL- WATER	Ground Water	Total hardness as CaCO3	APHA 23rd Edition – 2340 C EDTA Method
107	CHEMICAL- WATER	Ground Water	Total hardness as CaCO3	IS 3025 (Part 21)
108	CHEMICAL- WATER	Ground Water	Turbidity	APHA 23rd Edition - 2130B-Nephelometric Method
109	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part 10)
110	CHEMICAL- WATER	Surface Water	Calcium as Ca	APHA 23rd Edition – 3500 Ca B EDTA Titrimetric method
111	CHEMICAL- WATER	Surface Water	Calcium as Ca	IS 3025 (Part 40)
112	CHEMICAL- WATER	Surface Water	Chlorides as Cl	APHA 23rd Edition – 4500 Cl B Argentometric method
113	CHEMICAL- WATER	Surface water	Chlorides as Cl	IS 3025 (Part 32)
114	CHEMICAL- WATER	Surface Water	Electrical Conductivity	IS 3025 (Part 14) APHA 22nd Edition – 2510 B
115	CHEMICAL- WATER	Surface Water	Iron as Fe	APHA 23rd Edition 3500 Fe B Phenanthroline method
116	CHEMICAL- WATER	Surface Water	Iron as Fe	IS 3025 (Part 53)
117	CHEMICAL- WATER	Surface Water	Nitrate as NO3	IS 3025 (Part 34)
118	CHEMICAL- WATER	Surface Water	Odour	IS 3025 (Part 5)
119	CHEMICAL- WATER	Surface Water	pH value @ 25 C	IS 3025 (Part 11)
120	CHEMICAL- WATER	Surface Water	pH value at 25 C	APHA 23rd Edition – 4500 H+- Electrometric method
121	CHEMICAL- WATER	Surface Water	Potassium as K	APHA 23rd Edition – 3500 K B Flame Emission Photometric method
122	CHEMICAL- WATER	Surface Water	Potassium as K	IS 3025 (Part 45)
123	CHEMICAL- WATER	Surface Water	Sodium as Na	APHA 23rd Edition – 3500 Na B Flame Emission Photometric method

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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
124	CHEMICAL- WATER	Surface Water	Sodium as Na	IS 3025 (Part 45)
125	CHEMICAL- WATER	Surface Water	Sulphate as SO4	APHA 23rd Edition – 4500 SO4 Turbidity method
126	CHEMICAL- WATER	Surface Water	Sulphate as SO4	IS 3025 (Part 24)
127	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO3	APHA 23rd Edition 2320 B Titration method
128	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
129	CHEMICAL- WATER	Surface Water	Total Dissolved Solids (Inorganic)	APHA 23rd Edition – 2540 C
130	CHEMICAL- WATER	Surface Water	Total Dissolved Solids(inorganic)	IS 3025 (Part 16)
131	CHEMICAL- WATER	Surface Water	Turbidity	APHA 23rd Edition – 2130B-Nephelometric Method
132	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 (Part 10)

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.