National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	LOTUS GRANGES INDIA LIMITED, PLOT.NO 371/10, 2ND RAILWAY BRIDGE, SHEELA NAGAR - VSEZ ROAD,SATTIVANIPALEM, JAGGAYYAPALEM POST, VISAKHAPATNAM, ANDHRA PRADESH, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-10301
Page No	1 of 4
Validity	08/02/2022 to 07/02/2024
Last Amended on	28/02/2022

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	Waste Water & Industrial Effluents	Total Coliform, (MFT)	APHA 23rd Edn. 9222 B
2	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Waste Water & Industrial Effluents	Coliform	APHA 23rd Edn. 9222 B
3	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Waste Water & Industrial Effluents	Faecal coliform	APHA 23rd Edn. 9221 E
4	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Waste Water & Industrial Effluents	Faecal Coliform, (MFT)	APHA 23rd Edn. 9222 D
5	BIOLOGICAL- WATER	Drinking Water	Coliform	IS 5401 (Part-1)
6	BIOLOGICAL- WATER	Drinking Water	Coliform Bacteria	IS 1622
7	BIOLOGICAL- WATER	Raw Water, Drinking Water, Purified Water, Portable water	Escherichia coli	USP 62
8	BIOLOGICAL- WATER	Raw Water, Drinking Water, Purified Water, Portable water	Total Plate Count	IS 5402
9	BIOLOGICAL- WATER	Raw Water, Drinking Water, Purified Water, Portable water	Yeast & mould	IS 5403
10	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid effluents / Waste water	Ammonia as NH3-N	IS 3025 (Part-34)
11	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid effluents / Waste water	Biochemical Oxygen Demand (BOD)	IS 3025 (Part-44)
12	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid effluents / Waste water	Boron as B	IS 3025 (Part-57)
13	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid effluents / Waste water	Calcium as Ca	IS 3025 (Part-40)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid effluents / Waste water	Chemical Oxygen Demand (COD)	IS 3025 (Part-58)
15	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid effluents / Waste water	Magnesium as Mg	APHA 23rd Ed. 3500- Mg B
16	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid effluents / Waste water	Nitrate as NO3	IS 3025 (Part-34)
17	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid effluents / Waste water	Oil & Grease	IS 3025 (Part-39)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid effluents / Waste water	pH	IS 3025 (Part-11)
19	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid effluents / Waste water	Phosphate as PO4	APHA 23rd Ed. 4500 D

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Accreditation Standard ISO/IEC 17025:2017

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Validity 08/02/2022 to 07/02/2024 **Last Amended on** 28/02/2022

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
20	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid effluents / Waste water	Total Dissolved Solids	IS 3025 (Part-16)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid effluents / Waste water	Total Kjeldhal Nitrogen as NH3	IS 3025 (Part-34)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid effluents / Waste water	Turbidity	IS 3025 (Part-10)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chloride as Cl	IS 3025 (Part-32)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Colour	IS 3025 (Part-4)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Conductivity	IS 3025 (Part-14)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphate as SO4	IS 3025 (Part- 24)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water and Industrial Waste	Total Suspended Solids	IS 3025 (Part-17)
28	CHEMICAL- WATER	Drinking Water	Calcium as Ca	IS 3025 (Part-40)
29	CHEMICAL- WATER	Drinking Water	Chlorides as Cl	IS 3025 (Part-32)
30	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part-4)
31	CHEMICAL- WATER	Drinking Water	Fluoride as F	APHA 23rd Ed. 4500 F D
32	CHEMICAL- WATER	Drinking Water	Free Residual chlorine	IS 3025 (Part-26)
33	CHEMICAL- WATER	Drinking Water	Iron as Fe	IS 3025 (Part-53)
34	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	APHA 23rd Ed. 3500 Mg
35	CHEMICAL- WATER	Drinking Water	Nitrate as NO3	APHA 23rd Ed. 4500 B
36	CHEMICAL- WATER	Drinking Water	Nitrite as NO2	IS 3025 (Part- 34)
37	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part-11)
38	CHEMICAL- WATER	Drinking Water	Sulphate as SO4	IS 3025 (Part-24)
39	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	IS 3025 (Part-23)
40	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part-16)
41	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	IS 3025 (Part-21)
42	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part-10)
43	CHEMICAL- WATER	Ground Water	Calcium as Ca	IS 3025 (Part-40)
44	CHEMICAL- WATER	Ground Water	Chloride as Cl	IS 3025 (Part-32)
45	CHEMICAL- WATER	Ground Water	Colour	IS 3025 (Part-4)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10301 **Page No** 3 of 4

Validity 08/02/2022 to 07/02/2024 **Last Amended on** 28/02/2022

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
46	CHEMICAL- WATER	Ground Water	Fluoride as F	APHA 23rd Ed. 4500 F D
47	CHEMICAL- WATER	Ground Water	Free Residual Chlorine	IS 3025 (Part-26)
48	CHEMICAL- WATER	Ground Water	Iron as Fe	IS 3025 (Part-53)
49	CHEMICAL- WATER	Ground Water	Magnesium as Mg	APHA 23rd Ed. 3500 Mg B
50	CHEMICAL- WATER	Ground Water	Nitrate as NO3	APHA 23rd Ed. 4500 B
51	CHEMICAL- WATER	Ground Water	Nitrite as NO2	IS 3025 (Part-34)
52	CHEMICAL- WATER	Ground Water	pH	IS 3025 (Part-11)
53	CHEMICAL- WATER	Ground Water	Sulphate as SO4	IS 3025 (Part-24)
54	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO3	IS 3025 (Part-23)
55	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025 (Part-16)
56	CHEMICAL- WATER	Ground Water	Total Hardeness as CaCO3	IS 3025 (Part-21)
57	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part-10)
58	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen as NH3-N	IS 3025 (Part-34)
59	CHEMICAL- WATER	Surface Water	Biochemical Oxygen Demand (BOD)	IS 3025 (Part-44)
60	CHEMICAL- WATER	Surface Water	Boron as B	IS 3025 (Part-57)
61	CHEMICAL- WATER	Surface Water	Calcium as Ca	IS 3025 (Part-40)
62	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand (COD)	IS 3025 (Part-58)
63	CHEMICAL- WATER	Surface Water	Chloride	IS 3025 (Part-32)
64	CHEMICAL- WATER	Surface Water	Colour	IS 3025 (Part-4)
65	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	IS 3025 (Part-38)
66	CHEMICAL- WATER	Surface Water	Fluoride as F	IS 3025 (Part-60)
67	CHEMICAL- WATER	Surface Water	Free residual chlorine	IS 3025 (Part-26)
68	CHEMICAL- WATER	Surface water	Iron as Fe	IS 3025 (Part-53)
69	CHEMICAL- WATER	Surface Water	Magnesium as Mg	APHA 23rd Ed. 3500 Mg B
70	CHEMICAL- WATER	Surface Water	Nitrate as NO3	IS 3025 (Part-34)
71	CHEMICAL- WATER	Surface Water	Oil & Grease	IS 3025 (Part-39)
72	CHEMICAL- WATER	Surface Water	pH	IS 3025 (Part-11)
73	CHEMICAL- WATER	Surface Water	Phosphorous as P	APHA 23rd Ed. 4500 P D
74	CHEMICAL- WATER	Surface Water	Sulphate as SO4	IS 3025 (Part-24)

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75	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	IS 3025 (Part-16)
76	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 (Part-10)