National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BUREAU VERITAS INDIA TESTING SERVICES PRIVATE LIMITED, A1, 256/1, MAKARPURA GIDC, BANK BARODA LINE, MAKARPURA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 08/04/2022 to 07/04/2024 **Last Amended on** 01/06/2022

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	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Ammonia	IS 5182 (part 25)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Chlorine	IS: 5182 (Part-XIX)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Hydrogen Sulphide	IS: 5182 (Part-VII)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Nitrogen Dioxide(NO2)	IS: 5182 (Part-VI) (Modified Jacob & Hochheiser-Sodium Arsenate Method)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Ozone (O3)	IS:5182 (Part-IX) (Spectrophotometric method)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	P.M.10/ Respirable Particulate Matter	IS 5182 (Part 23)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	P.M.2.5	IS 5182(part 24)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Sulphur Dioxide	IS: 5182 (Part-II) West & Gaeke method
9	CHEMICAL- ATMOSPHERIC POLLUTION	Source emission monitoring / DG emission / Cement Kiln emission / Boiler emission	Hydrogen Sulfide	IS 11255 Part 4
10	CHEMICAL- ATMOSPHERIC POLLUTION	Source emission monitoring / DG emission / Cement Kiln emission / Boiler emission	Nitrogen oxides / Oxides of Nitrogen (NOx)	IS 11255 (Part 7)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Source emission monitoring / DG emission / Cement Kiln emission / Boiler emission	Particulate matter	IS 11255 (Part 1)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Source emission monitoring / DG emission / Cement Kiln emission / Boiler emission	Sulphur dioxide	IS:11255 (Part 2)
13	CHEMICAL- POLLUTION & ENVIRONMENT	Solids/Solid wastes /Soils/ Scale, Hazardous solid waste	Ammonical Nitrogen	SOP No. : BVITS-B/SNM/SOP/008, Issue No. 01 dated 01.04.2020
14	CHEMICAL- POLLUTION & ENVIRONMENT	Solids/Solid wastes /Soils/ Scale, Hazardous solid waste	Antimony	USEPA 3050 B
15	CHEMICAL- POLLUTION & ENVIRONMENT	Solids/Solid wastes /Soils/ Scale, Hazardous solid waste	Available Nitrogen	SOP No. : BVITS-B/SNM/SOP/007, Issue No. 01 dated 01.04.2020
16	CHEMICAL- POLLUTION & ENVIRONMENT	Solids/Solid wastes /Soils/ Scale, Hazardous solid waste	Available Phosphorus	SOP No. : BVITS-B/SNM/SOP/009, Issue No. 01 dated 01.04.2020

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7000	**Page No**	2 of 7
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17	CHEMICAL- POLLUTION & ENVIRONMENT	Solids/Solid wastes /Soils/ Scale, Hazardous solid waste	Bulk Density	SOP No.:BVITS-B/SNM/ SOP/003, Issue No. 01 dated 01.04.2020)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Solids/Solid wastes /Soils/ Scale, Hazardous solid waste	Chloride	SOP No.: BVITS-B/SNM/SOP/006, Issue No. 01 dated 01.04.2020
19	CHEMICAL- POLLUTION & ENVIRONMENT	Solids/Solid wastes /Soils/ Scale, Hazardous solid waste	Electrical Conductivity (1 : 5 extract)	SOP No. : BVITS-B/SNM/ SOP/002, Issue No. 01 dated 01.04.2020
20	CHEMICAL- POLLUTION & ENVIRONMENT	Solids/Solid wastes /Soils/ Scale, Hazardous solid waste	Moisture / Water Content	SOP No.: BVITS-B/SNM/SOP/ 005, Issue No. 01 dated 01.04.2020
21	CHEMICAL- POLLUTION & ENVIRONMENT	Solids/Solid wastes /Soils/ Scale, Hazardous solid waste	n-Hexane Extract materials / Oil & Grease	USEPA 9071 B , (Gravimetric Method)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Solids/Solid wastes /Soils/ Scale, Hazardous solid waste	pH (1 : 5 extract)	SOP No.: BVITS-B/SNM/ SOP/001, Issue No. 01 dated 01.04.2020
23	CHEMICAL- POLLUTION & ENVIRONMENT	Solids/Solid wastes /Soils/ Scale, Hazardous solid waste	Total Nitrogen	SOP No. BVITS-B/SNM/SOP/015, Issue No. 01 dt 01.04.2020
24	CHEMICAL- POLLUTION & ENVIRONMENT	Solids/Solid wastes /Soils/ Scale, Hazardous solid waste	Total Organic Carbon	SOP No. BVITS-B/SNM/SOP/016, Issue No. 01 dtd. 01.04.2020
25	CHEMICAL- POLLUTION & ENVIRONMENT	Solids/Solid wastes /Soils/ Scale, Hazardous solid waste	Water Extractable Chlorides	SOP No.: BVITS-B/SNM/ SOP/006-01, Issue No. 01 dt 01.04.2020
26	CHEMICAL- POLLUTION & ENVIRONMENT	Solids/Solid wastes /Soils/ Scale, Hazardous solid waste	Water Extractable Sulfate	SOP No. BVITS-B/SNM/ SOP/014, Issue No. 01 dt 01.04.2020
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Ammonical Nitrogen	APHA – 23rd Ed. (4500-NH3,B,C (Preliminary Distillation & Titration)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Dissolved oxygen	APHA – 23rd Ed. , 4500-O –C (Azide Modification)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Biochemical Oxygen Demand 3 day at 270C	IS:3025(Part-44)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Calcium	APHA – 23rd Ed. 3500-Ca B (EDTA Titrimetry & Caln) (by calculation)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Chemical Oxygen Demand	APHA – 23rd Ed, 5220-B (Open Reflux method)

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32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Chloride	APHA – 23rd Ed. , 4500–Cl B (Argentometric)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Colour	APHA – 23rd Ed., 2120-C (Spectrophotometric)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Conductivity	APHA – 23rd Ed., 2510 B
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Cyanide	APHA – 23rd Ed. , 4500-CN-B, D / E (Spectrophotometric)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Flouride	APHA – 23rd Ed. ,4500-F B &D (Prelim Dist & SPADNS)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Free Ammonia	APHA–23rd Ed., 4500-NH3 F (Phenate)
38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Hardness	APHA – 23rd Ed. , 2340 B&C (EDTA Titrimetric & Caln)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Iron	APHA – 23rd Ed. , 3500-Fe –B (Phenanthroline)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Magnesium	APHA – 23rd Ed. 3500-Mg.B (EDTA Titrimetry & Caln) (by calculation)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Nitrite as NO2	APHA – 23rd Ed. , (4500-NO2-B) (Spectrophotometric)
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Oil and Grease	APHA – 23rd Ed., 5520 B / D (Gravimetric)
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	P-Alkalinity	APHA – 23rd Ed. , 2320 B (Titration)
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	pH	APHA – 23rd Ed, 4500-H+ B (Electrometric)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Phosphate as PO4	APHA – 23rd Ed. , 4500-P C/D; V-Mo-HPO3/ SnCl2 - colorimetric
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Phosphorus as P	APHA – 23rd Ed. , 4500-P C/D; V-Mo-HPO3/ SnCl2 - colorimetric
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Sulfate as SO4	APHA – 23rd Ed. , 4500-SO42-E (Turbidimetric)
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Sulfide	APHA – 23rd Ed. , (4500-S2-D/F) (Iododmetric)
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Temperature	APHA – 23rd Ed., 2550-B

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50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Total Alkalinity or M-Alkalinity	APHA – 23rd Ed, 2320 B (Titration)
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Total Dissolved Solids	APHA – 23rd Ed., 2540-C (TDS Dried at 180° C)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Total Fixed Solids /MLSS	APHA – 23rd Ed. 2540-E (Fixed and Volatile Solids Ignited at 550° C)
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Total Kjeldahl Nitrogen	APHA – 23rd Ed. , 4500-Norg-B (Macro-Kjeldahl)
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Total Solids	APHA – 23rd Ed. 2540-B (Total Solids Dried at 103-105°C)
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Total Suspended Solids	APHA – 23rd Ed. , 2540-D (TSS Dried at 103-105°C)
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Turbidity	APHA – 23rd Ed., 2130 B (Nephelometric)
57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / industrial effluents / R.O. reject water/ boiler blow down water	Volatile Solids /MLVSS	APHA-22nd Ed. 2540-E (Fixed and Volatile Solids Ignited at 550° C)
58	CHEMICAL- WATER	Sea water	Cyanide	APHA – 23rd Ed. , 4500-CN-B, D / E (Spectrophotometric)
59	CHEMICAL- WATER	Sea water	Silica	APHA – 23rd Ed. ,4500-SiO2 C (Spectrophotometric)
60	CHEMICAL- WATER	Sea Water	Acidity	APHA – 23rd Ed, 2310 B (Titration)
61	CHEMICAL- WATER	Sea water	Ammonium	APHA – 23rd Ed. , (4500-NH3,B,C (Preliminary Distillation & Titration)
62	CHEMICAL- WATER	Sea water	Biochemical Oxygen Demand 3 day at 270C	IS:3025(Part-44)
63	CHEMICAL- WATER	Sea water	Calcium	APHA – 23rd Ed., 3500-Ca B (EDTA Titrimetric)
64	CHEMICAL- WATER	Sea water	Chemical Oxygen Demand	APHA – 23rd Ed. , 5220-B (Open Reflux method)
65	CHEMICAL- WATER	Sea Water	Chloride	APHA – 23rd Ed, 4500-Cl- B (Argentometric)
66	CHEMICAL- WATER	Sea Water	Colour	APHA – 23rd Ed, 2120 C (Spectrophotometric)
67	CHEMICAL- WATER	Sea Water	Conductivity	APHA – 23rd Ed, 2510 B

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68	CHEMICAL- WATER	Sea water	Dissolved oxygen	APHA – 23rd Ed. 4500-O –C (Azide Modification)
69	CHEMICAL- WATER	Sea Water	Fluoride	APHA – 23rd Ed. 500-F- D
70	CHEMICAL- WATER	Sea water	Magnesium	APHA – 23rd Ed. 3500-Mg B
71	CHEMICAL- WATER	Sea Water	Nitrate as NO3	APHA – 23rd Ed 4500 NO3- B (Spectrophotometric)
72	CHEMICAL- WATER	Sea water	Nitrite NO2	APHA – 23rd Ed. (4500-NO2- B) (Spectrophotometric)
73	CHEMICAL- WATER	Sea Water	P-Alkalinity	APHA – 23rd Ed. 2320 B
74	CHEMICAL- WATER	Sea Water	pH	APHA – 23rd Ed, 4500-H+ B (Electrometric)
75	CHEMICAL- WATER	Sea water	Sulphates	APHA – 23rd Ed.,4500-SO42- E (Turbidimetric/Gravimetric)
76	CHEMICAL- WATER	Sea water	Sulphide	APHA – 23rd Ed. (4500-S2- D/F) (Iodometric)
77	CHEMICAL- WATER	Sea water	Temperature	APHA – 23rd Ed. 2550-B
78	CHEMICAL- WATER	Sea Water	Total Alkalinity or M-Alkalinity	APHA – 23rd Ed , 2320 B (Titration)
79	CHEMICAL- WATER	Sea Water	Total Dissolved Solids	APHA – 23rd Ed. 2017, 2540-C
80	CHEMICAL- WATER	Sea Water	Total hardness	APHA – 23rd Ed, 2340 B&C (By Calculation & EDTA Titrimetric)
81	CHEMICAL- WATER	Sea Water	Total Solids	APHA – 23rd Ed. 2540 B
82	CHEMICAL- WATER	Sea water	Total Suspended Solids	APHA – 23rd Ed. , 2540-D (TSS Dried at 103-105°C)
83	CHEMICAL- WATER	Sea Water	Turbidity	APHA – 23rd Ed, 2130 B, Nephelometric
84	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Acidity	APHA – 23rd Ed, 2310 B (Titration)
85	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Ammonia	APHA – 23rd Ed. 4500-NH3 F (Phenate)
86	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Biochemical Oxygen Demand 3 day at 270C	IS:3025(Part-44)
87	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Calcium / Calcium Hardness	APHA- 23rd Ed, 3500-Ca B (EDTA Titrimetric)
88	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Chemical Oxygen Demand	APHA – 23rd Ed, 5220-B (Open Reflux)

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89	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Chloride	APHA – 23rd Ed, 4500-Cl- B (Argentometric)
90	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Colour	APHA – 23rd Ed\, 2120 C (Spectrophotometric)
91	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Conductivity	APHA – 23rd Ed., 2510 B
92	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Dissolved Oxygen	APHA – 23rd Ed, 4500-O –C (Azide Modification)
93	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Magnesium / Magnesium Hardness	APHA – 23rd Ed. 3500-Mg B (EDTA) (By Calculation)
94	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Nitrate as NO3	APHA – 23rd Ed., 4500 NO3- B (Spectrophotometric)
95	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Nitrite NO2	APHA – 23rd Ed,4500 NO2- B (Spectrophotometric)
96	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	P-Alkalinity	APHA – 23rd Ed,2320 B (Titration)
97	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	pH	APHA– 23rd Ed, 4500-H+ B (Electrometric)
98	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Residual Chlorine	APHA – 23rd Ed, 4500-Cl B/C (Iodometric Method)
99	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Silica	APHA – 23rd Ed, 4500-SiO2 C (Spectrophotometric)
100	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Sulfate	APHA – 23rd Ed. ,4500-SO42- E (Turbidimetric/Gravimetric)
101	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Sulphide	APHA – 23rd Ed, (4500-S2- D/F) (Methylene Blue/Iodometric)
102	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Temperature	APHA – 23rd Ed, 2550-B
103	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Total Alkalinity or M-Alkalinity	APHA – 23rd Ed, 2320 B (Titration)
104	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Total Dissolved Solids	APHA- 23rd Ed., 2540 C (TDS Dried at 180° C)
105	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Total Hardness	APHA – 23rd Ed. 2340 B&C (By Calculation & EDTA Titrimetric)
106	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Total Solids	APHA – 23rd Ed, 2540 B (Total Solids Dried at 103-105°C)
107	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Total Suspended Solids	APHA – 23rd Ed, 2540-D (TSS Dried at 103-105°C)

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108	CHEMICAL- WATER	Water (Ground water/ Well Water / Drinking water/ Surface water / Pond Water/ River Water)	Turbidity	APHA – 23rd Ed, 2130 B (Nephelometric)