National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TRADE WASTE AND EFFLUENTS RESEARCH UNIT, ROOM NO. 301, WATER SUPPLY & SANITATION DEPARTMENT, PATIALA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10269 **Page No** 1 of 5

Validity 29/01/2022 to 28/01/2024 **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	CHEMICAL- RESIDUES IN WATER	Drinking water	Lead	APHA 3111-B (23rd Edition) by AAS
2	CHEMICAL- RESIDUES IN WATER	Drinking water	Arsenic	APHA 3114-B (23rd Edition) by HVG-AAS
3	CHEMICAL- RESIDUES IN WATER	Drinking water	Chromium	APHA 3111-B (23rd Edition) by AAS: 2017
4	CHEMICAL- RESIDUES IN WATER	Drinking water	Copper	APHA 3111-B (23rd Edition) by AAS
5	CHEMICAL- RESIDUES IN WATER	Drinking water	Iron	APHA 3111-B (23rd Edition) by AAS
6	CHEMICAL- RESIDUES IN WATER	Drinking water	Manganese	APHA 3111-B (23rd Edition) by AAS
7	CHEMICAL- RESIDUES IN WATER	Drinking water	Zinc	APHA 3111-B (23rd Edition) by AAS
8	CHEMICAL- WATER	Drinking Water	Calcium	APHA 3500 Ca (23rd Edition)
9	CHEMICAL- WATER	Drinking Water	Calcium	IS-3025 (Part-40) by EDTA Titrimetric Method
10	CHEMICAL- WATER	Drinking Water	Calcium	ISO 14911 by I.C
11	CHEMICAL- WATER	Drinking Water	Chloride	APHA 4110 (23rd Edition) by I.C
12	CHEMICAL- WATER	Drinking Water	Chloride	APHA 4500 Cl- (23rd Edition)
13	CHEMICAL- WATER	Drinking Water	Chloride	IS-3025 (Part-32) by Argentometric Method
14	CHEMICAL- WATER	Drinking Water	Fluoride	APHA 4110 (23rd Edition) by I.C
15	CHEMICAL- WATER	Drinking Water	Fluoride	APHA 4500 F- (23rd Edition)
16	CHEMICAL- WATER	Drinking Water	Fluoride	IS-3025 (Part-60) by Method 5 & 6
17	CHEMICAL- WATER	Drinking Water	Magnesium	APHA 3500-B (23rd Edition)
18	CHEMICAL- WATER	Drinking Water	Magnesium	IS-3025 (Part-46)
19	CHEMICAL- WATER	Drinking Water	Magnesium	ISO 14911 (23rd Edition) by I.C
20	CHEMICAL- WATER	Drinking Water	Nitrate	APHA 4110 (23rd Edition) by I.C
21	CHEMICAL- WATER	Drinking Water	pH	APHA 4500 H+ (23rd Edition)
22	CHEMICAL- WATER	Drinking Water	pH	IS-3025 (Part-11) by pH Meter

SCOPE OF ACCREDITATION

Laboratory Name : TRADE WASTE AND EFFLUENTS RESEARCH UNIT, ROOM NO. 301, WATER SUPPLY & SANITATION DEPARTMENT, PATIALA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10269 **Page No** 2 of 5

Validity 29/01/2022 to 28/01/2024 **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
23	CHEMICAL- WATER	Drinking Water	Residual Chlorine	APHA 4500 Cl- (23rd Edition)
24	CHEMICAL- WATER	Drinking Water	Residual Chlorine	IS-3025 (Part-26) by Iodometric Method
25	CHEMICAL- WATER	Drinking Water	Sulphate	APHA 4110 (23rd Edition) by I.C
26	CHEMICAL- WATER	Drinking Water	Total Alkalinity	APHA 2320 (23rd Edition)
27	CHEMICAL- WATER	Drinking Water	Total Alkalinity	IS-3025 (Part-23) by Titration Method
28	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	APHA 2540-C (23rd Edition)
29	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS-3025 (Part-16) by Gravimetric Method
30	CHEMICAL- WATER	Drinking Water	Total Hardness	APHA 2340 (23rd Edition)
31	CHEMICAL- WATER	Drinking Water	Total Hardness	IS-3025 (Part-21) by EDTA titrimetric method
32	CHEMICAL- WATER	Drinking Water	Turbidity	APHA 2130-B (23rd Edition)
33	CHEMICAL- WATER	Drinking Water	Turbidity	IS-3025 (Part-10) Nephelometric Method
34	CHEMICAL- WATER	Ground Water	Calcium	APHA 3500 Ca (23rd Edition)
35	CHEMICAL- WATER	Ground Water	Calcium	IS-3025 (Part-40) by EDTA Titrimetric Method
36	CHEMICAL- WATER	Ground Water	Calcium	ISO 14911 by I.C
37	CHEMICAL- WATER	Ground Water	Chloride	APHA 4110 (23rd Edition) by I.C
38	CHEMICAL- WATER	Ground Water	Chloride	APHA 4500 Cl- (23rd Edition)
39	CHEMICAL- WATER	Ground Water	Chloride	IS-3025 (Part-32) by Argentometric Method
40	CHEMICAL- WATER	Ground Water	Fluoride	APHA 4110 (23rd Edition) by I.C
41	CHEMICAL- WATER	Ground Water	Fluoride	APHA 4500 F- (23rd Edition)
42	CHEMICAL- WATER	Ground Water	Fluoride	IS-3025 (Part-60) by Method 5 & 6
43	CHEMICAL- WATER	Ground Water	Magnesium	APHA 3500-B (23rd Edition)
44	CHEMICAL- WATER	Ground Water	Magnesium	IS-3025 (Part-46)
45	CHEMICAL- WATER	Ground Water	Magnesium	ISO 14911 by I.C

SCOPE OF ACCREDITATION

Laboratory Name : TRADE WASTE AND EFFLUENTS RESEARCH UNIT, ROOM NO. 301, WATER SUPPLY & SANITATION DEPARTMENT, PATIALA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10269 **Page No** 3 of 5

Validity 29/01/2022 to 28/01/2024 **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
46	CHEMICAL- WATER	Ground Water	Nitrate	APHA 4110 (23rd Edition) by I.C
47	CHEMICAL- WATER	Ground water	pH	IS-3025 (Part-11) by pH Meter
48	CHEMICAL- WATER	Ground water	pH	APHA 4500 H+ (23rd Edition)
49	CHEMICAL- WATER	Ground Water	Residual Chlorine	APHA 4500 Cl- (23rd Edition)
50	CHEMICAL- WATER	Ground Water	Residual Chlorine	IS-3025 (Part-26) by Iodometric Method
51	CHEMICAL- WATER	Ground Water	Sulphate	APHA 4110 (23rd Edition) by I.C
52	CHEMICAL- WATER	Ground Water	Total Alkalinity	APHA 2320 (23rd Edition
53	CHEMICAL- WATER	Ground Water	Total Alkalinity	IS-3025 (Part-23) by Titration Method
54	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	APHA 2540-C (23rd Edition)
55	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS-3025 (Part-16) by Gravimetric Method
56	CHEMICAL- WATER	Ground Water	Total Hardness	APHA 2340 (23rd Edition)
57	CHEMICAL- WATER	Ground Water	Total Hardness	IS-3025 (Part-21) by EDTA titrimetric method
58	CHEMICAL- WATER	Ground Water	Turbidity	APHA 2130-B (23rd Edition)
59	CHEMICAL- WATER	Ground Water	Turbidity	IS-3025 (Part-10) Nephelometric Method
60	CHEMICAL- WATER	Surface Water	Calcium	IS-3025 (Part-40) by EDTA Titrimetric Method
61	CHEMICAL- WATER	Surface Water	Calcium	APHA 3500 Ca (23rd Edition
62	CHEMICAL- WATER	Surface Water	Calcium	ISO 14911 by I.C
63	CHEMICAL- WATER	Surface Water	Chloride	APHA 4110 (23rd Edition) by I.C
64	CHEMICAL- WATER	Surface Water	Chloride	APHA 4500 Cl- (23rd Edition)
65	CHEMICAL- WATER	Surface Water	Chloride	IS-3025 (Part-32) by Argentometric Method
66	CHEMICAL- WATER	Surface Water	Fluoride	APHA 4110 (23rd Edition) by I.C
67	CHEMICAL- WATER	Surface Water	Fluoride	APHA 4500 F- (23rd Edition)
68	CHEMICAL- WATER	Surface water	Fluoride	IS-3025 (Part-60) by Method 5 & 6

SCOPE OF ACCREDITATION

Laboratory Name : TRADE WASTE AND EFFLUENTS RESEARCH UNIT, ROOM NO. 301, WATER SUPPLY & SANITATION DEPARTMENT, PATIALA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10269 **Page No** 4 of 5

Validity 29/01/2022 to 28/01/2024 **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
69	CHEMICAL- WATER	Surface Water	Magnesium	APHA 3500-B (23rd Edition)
70	CHEMICAL- WATER	Surface Water	Magnesium	IS-3025 (Part-46)
71	CHEMICAL- WATER	Surface water	Magnesium	ISO 14911 by I.C
72	CHEMICAL- WATER	Surface Water	Nitrate	APHA 4110 (23rd Edition) by I.C
73	CHEMICAL- WATER	Surface water	pH	APHA 4500 H+ (23rd Edition)
74	CHEMICAL- WATER	Surface water	pH	IS-3025 (Part-11) by pH Meter
75	CHEMICAL- WATER	Surface Water	Residual Chlorine	APHA 4500 Cl- (23rd Edition)
76	CHEMICAL- WATER	Surface Water	Residual Chlorine	IS-3025 (Part-26) by Iodometric Method
77	CHEMICAL- WATER	Surface Water	Sulphate	APHA 4110 (23rd Edition) by I.C
78	CHEMICAL- WATER	Surface Water	Total alkalinity	IS-3025 (Part-23) by Titration Method
79	CHEMICAL- WATER	Surface Water	Total alkalinity	APHA 2320 (23rd Edition)
80	CHEMICAL- WATER	Surface water	Total Dissolved Solids	APHA 2540-C (23rd Edition)
81	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	IS-3025 (Part-16) by Gravimetric Method
82	CHEMICAL- WATER	Surface Water	Total Hardness	APHA 2340 (23rd Edition
83	CHEMICAL- WATER	Surface Water	Total Hardness	IS-3025 (Part-21) by EDTA titrimetric method
84	CHEMICAL- WATER	Surface water	Turbidity	APHA 2130-B (23rd Edition)
85	CHEMICAL- WATER	Surface water	Turbidity	IS-3025 (Part-10) Nephelometric Method
86	CHEMICAL- WATER	Water from purifiers	Total Alkalinity	APHA 2320 (23rd Edition
87	CHEMICAL- WATER	Water from Water Purifiers	Calcium	IS-3025 (Part-40) by EDTA Titrimetric Method
88	CHEMICAL- WATER	Water from Water Purifiers	Calcium	APHA 3500 Ca (23rd Edition)
89	CHEMICAL- WATER	Water from Water Purifiers	Calcium	ISO 14911 by I.C
90	CHEMICAL- WATER	Water from Water Purifiers	Chloride	APHA 4110 (23rd Edition) by I.C
91	CHEMICAL- WATER	Water from Water Purifiers	Chloride	APHA 4500 Cl- (23rd Edition)
92	CHEMICAL- WATER	Water from Water Purifiers	Chloride	IS-3025 (Part-32) by Argentometric Method

SCOPE OF ACCREDITATION

Laboratory Name : TRADE WASTE AND EFFLUENTS RESEARCH UNIT, ROOM NO. 301, WATER SUPPLY & SANITATION DEPARTMENT, PATIALA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10269 **Page No** 5 of 5

Validity 29/01/2022 to 28/01/2024 **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
93	CHEMICAL- WATER	Water from Water Purifiers	Flouride	APHA 4500 F- (23rd Edition)
94	CHEMICAL- WATER	Water from Water Purifiers	Fluoride	APHA 4110 (23rd Edition) by I.C
95	CHEMICAL- WATER	Water from Water Purifiers	Fluoride	IS-3025 (Part-60) by Method 5 & 6
96	CHEMICAL- WATER	Water from Water Purifiers	Magnesium	APHA 3500-B (23rd Edition)
97	CHEMICAL- WATER	Water from Water Purifiers	Magnesium	IS-3025 (Part-46)
98	CHEMICAL- WATER	Water from Water Purifiers	Magnesium	ISO 14911 by I.C
99	CHEMICAL- WATER	Water from Water Purifiers	Nitrate	APHA 4110 (23rd Edition) by I.C
100	CHEMICAL- WATER	Water from Water Purifiers	pH	APHA 4500 H+ (23rd Edition)
101	CHEMICAL- WATER	Water from Water Purifiers	pH	IS-3025 (Part-11) by pH Meter
102	CHEMICAL- WATER	Water from Water Purifiers	Residual Chlorine	APHA 4500 Cl- (23rd Edition)
103	CHEMICAL- WATER	Water from Water Purifiers	Residual Chlorine	IS-3025 (Part-26) by Iodometric Method
104	CHEMICAL- WATER	Water from Water Purifiers	Sulphate	APHA 4110 (23rd Edition) by I.C
105	CHEMICAL- WATER	Water from Water Purifiers	Total Alkalinity	IS-3025 (Part-23) by Titration Method
106	CHEMICAL- WATER	Water from Water Purifiers	Total Dissolved Solids	IS-3025 (Part-16) by Gravimetric Method
107	CHEMICAL- WATER	Water from Water Purifiers	Total Dissolved Solids	APHA 2540-C (23rd Edition)
108	CHEMICAL- WATER	Water from Water Purifiers	Total Hardness	APHA 2340 (23rd Edition
109	CHEMICAL- WATER	Water from Water Purifiers	Total Hardness	IS-3025 (Part-21) by EDTA titrimetric method
110	CHEMICAL- WATER	Water from Water Purifiers	Turbidity	APHA 2130-B (23rd Edition)
111	CHEMICAL- WATER	Water from Water Purifiers	Turbidity	IS-3025 (Part-10) Nephelometric Method