National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	STAR ANALYTICAL SERVICES, 18-21/1, 2ND FLOOR, VENGALAYAPALEM, GUNTUR, ANDHRA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10984	**Page No**	1 of 11
Validity	14/09/2022 to 13/09/2024	**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- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	CPCB Manual (NAAQMS/36/2012- 13) (Indophenol Blue Method)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide	IS 5182 (part 6): Jacob & Hochheiser Method
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone (O3)	IS 5182 (part 9) : Colorimetric Method
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (Size less than 10µm) or PM10	IS 5182 (part 23): Gravimetric Method (Cyclonic Flow Technique)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (Size less than 2.5µm) or PM 2·5	CPCB Manual (NAAQMS/36/2012- 13) Gravimetric Method (Cyclonic Flow Technique)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (SO2)	IS 5182 (part 2) :West & Geake Method
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Level	Noise Level _L eq, Lmin, Lmax, SPL	IS 9989
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Nitrogen dioxide	IS:11255(Part-7)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter (PM)	IS :11255(Part-1) & IS:11255 (Part - 3)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur dioxide	IS:11255(Part-2)
11	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Bulk Density	IS : 2720 (Part 28)
12	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Calcium as Ca	Based on Method Manual Soil Testing in India Department of Agriculture & Cooperation Ministry of Agriculture Government of India Lab SOP No: SEPL/SOP/SOIL/LAB-248:Issue/Rev:01/00;Dated:01.08.2021

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13	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Chlorides al Cl	Lab SOP No: SAS/LAB/STP - 167 based on Method Manual Soil Testing in India Department of Agriculture & Cooperation Ministry of Agriculture Government of India:Issue/Rev:01/00;Dated:01.08.2021
14	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Conductivity	Based on Method Manual Soil Testing in India Department of Agriculture & Cooperation Ministry of Agriculture Government of India Lab SOP No: SAS/LAB/STP-164:Issue/Rev:01/00;Dated:01.08.2021
15	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Magnesium	Based on Method Manual Soil Testing in India Department of Agriculture & Cooperation Ministry of Agriculture Government of India Lab SOP No: SAS/LAB/STP-166:Issue/Rev:01/00;Dated:01.08.2021
16	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Moisture	IS : 2720 (Part 18)
17	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Carbon	IS : 2720 (Part 22)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	pH	IS : 2720 (Part 26)
19	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Phosphorus (as P)Total	Based on Method Manual Soil Testing in India Department of Agriculture & Cooperation Ministry of Agriculture Government of India Lab SOP No: SAS/LAB/STP-169:Issue/Rev:01/00;Dated:01.08.2021
20	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Potassium (as K)	Based on Method Manual Soil Testing in India Department of Agriculture & Cooperation Ministry of Agriculture Government of India Lab SOP No: SAS/LAB/STP-183:Issue/Rev:01/00;Dated:01.08.2021

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21	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Sodium (as Na)	Based on Method Manual Soil Testing in India Department of Agriculture & Cooperation Ministry of Agriculture Government of India Lab SOP No: SAS/LAB/STP-184:Issue/Rev:01/00;Dated:01.08.2021
22	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Sulphates as SO4	IS : 2720 (Part 27)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	TKN	Based on Method Manual Soil Testing in India Department of Agriculture & Cooperation Ministry of Agriculture Government of India Lab SOP No: SAS/LAB/STP-171:Issue/Rev:01/00;Dated:01.08.2021
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Acidity as CaCO3	APHA (23rd Edition), 2310 B
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Alkalinity as CaCO3	APHA (23rd Edition), 2320 B
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Biochemical Oxygen Demand 3 DAYS at 27 Deg.C	IS: 3025(Part-44)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Boron as B	APHA (23rd Edition), 4500-B B (Curcumin Method)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Calcium as Ca	APHA (23rd Edition), 3500 Ca B
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chemical Oxygen Demand	APHA (23rd Edition), 5220 B
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chlorides as Cl-	APHA (23rd Edition), 4500 Cl- B
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Conductivity	APHA (23rd Edition), 2510 B
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Cyanide	APHA (23rd Edition), 4500 CN- C, E
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved Oxygen	APHA (23rd Edition), 4500 O C
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fixed Solids	APHA (23rd Edition), 2540 E

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35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fluorides as F-	APHA (23rd Edition), 4500 F- D
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Hexavalent Chromium as Cr+6	APHA (23rd Edition), 3500 Cr B
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Iron as Fe	APHA (23rd Edition), 3500 Fe B
38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrate Nitrogen as N	IS: 3025 (Part 34) : (3.4; Page.10, 11)- Devardos Alloy method
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrite Nitrogen as N	APHA (23rd Edition), 4500 NO2 B(Colorimetric Method)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrogen (Ammonia) as N	APHA (23rd Edition), 2017; 4500 NH3 B, C
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrogen (Organic) as N	APHA (23rd Edition), 4500 N (org) B
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Oil & Grease	APHA (23rd Edition), 5520 B
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	pH	APHA (23rdEdition), 4500 H+ B
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phenolic Compounds as Phenols	APHA (23rdEdition), 5530 D (Direct Photometric Method)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phosphorus as P	APHA (23rd Edition),4500 P C
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Potassium as K	APHA (23rd Edition), 3500 K B
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Residual Chlorine as Cl	APHA (23rd Edition), 4500 Cl B
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Silica as SiO2	APHA (23rd Edition),4500 SiO2 C
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sodium as Na	APHA (23rd Edition), 3500 Na B
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphates as SO4-2	APHA (23rd Edition), 4500 SO4-2 D
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphide as S-2	APHA (23rd Edition), 4500 S2 F
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphite as SO3-2	APHA (23rd Edition), 4500 SO3-2 B

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53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Temperature	APHA (23rd Edition), 2550 A, B
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Dissolved Solids	APHA (23rd Edition), 2540 C
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Hardness as CaCO3	APHA (23rd Edition), 2340 C
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Solids	APHA (23rd Edition), 2017; 2540 B
57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Suspended Solids	APHA (23rd Edition), 2540 D
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Turbidity	APHA (23rdEdition),2130 B
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Volatile Solids	APHA (23rd Edition), 2540 E
60	CHEMICAL- RESIDUES IN WATER	Ground Water	Boron as B	APHA (23rd Edition), 4500-B B (Curcumin Method)
61	CHEMICAL- RESIDUES IN WATER	Ground Water	Cyanide as CN	APHA (23rd Edition),4500 CN-C, E
62	CHEMICAL- RESIDUES IN WATER	Ground Water	Iron as Fe	APHA (23rd Edition),3500 Fe B
63	CHEMICAL- RESIDUES IN WATER	Ground Water	Magnesium as Mg	APHA (23rd Edition),3500 Mg B
64	CHEMICAL- RESIDUES IN WATER	Ground Water	Phenolic Compounds as Phenols	APHA (23rd Edition), 5530 D (Direct Photometric Method)
65	CHEMICAL- RESIDUES IN WATER	Industrial Water	Boron as B	APHA (23rd Edition), 4500-B B (Curcumin Method)
66	CHEMICAL- RESIDUES IN WATER	Industrial Water	Cyanide as CN	APHA (23rd Edition), 4500 CN-C, E
67	CHEMICAL- RESIDUES IN WATER	Industrial Water	Iron as Fe	APHA (23rd Edition), 3500 Fe B
68	CHEMICAL- RESIDUES IN WATER	Industrial Water	Phenolic Compounds as Phenols	APHA (23rd Edition), 5530 D (Direct Photometric Method)
69	CHEMICAL- RESIDUES IN WATER	Irrigation Water	Boron as B	APHA (23rd Edition), 4500-B B (Curcumin Method)
70	CHEMICAL- RESIDUES IN WATER	Irrigation Water	Cyanide as CN	APHA (23rd Edition), 4500 CN-C, E
71	CHEMICAL- RESIDUES IN WATER	Irrigation Water	Iron as Fe	APHA (3rd Edition),3500 Fe B

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72	CHEMICAL- RESIDUES IN WATER	Irrigation Water	Magnesium as Mg	APHA (23rd Edition), 3500 Mg B
73	CHEMICAL- RESIDUES IN WATER	Irrigation Water	Phenolic Compounds as Phenols	APHA (23rd Edition),5530 D (Direct Photometric Method)
74	CHEMICAL- RESIDUES IN WATER	Surface Water	Boron as B	APHA (23rd Edition), 4500-B B (Curcumin Method)
75	CHEMICAL- RESIDUES IN WATER	Surface Water	Cyanide as CN	APHA (23rd Edition), 4500 CN- C, E
76	CHEMICAL- RESIDUES IN WATER	Surface Water	Iron as Fe	APHA (23rd Edition), 3500 Fe B
77	CHEMICAL- RESIDUES IN WATER	Surface Water	Magnesium as Mg	PHA (23rd Edition), 3500 Mg B
78	CHEMICAL- RESIDUES IN WATER	Surface Water	Phenolic Compounds as Phenols	APHA (23rd Edition),5530 D (Direct Photometric Method)
79	CHEMICAL- WATER	Ground Water	Acidity as CaCO3	APHA (23rd Edition),2310 B
80	CHEMICAL- WATER	Ground Water	Alkalinity as CaCO3	APHA (23rd Edition),2320 B
81	CHEMICAL- WATER	Ground Water	Biological Oxygen Demand 3 DAYS at 27oC	IS: 3025(Part-44)
82	CHEMICAL- WATER	Ground Water	Calcium as Ca	APHA (23rd Edition),3500 Ca B
83	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand (COD)	APHA (23rd Edition),5220 B
84	CHEMICAL- WATER	Ground Water	Chlorides as Cl-	APHA (23rd Edition), 4500 Cl- B
85	CHEMICAL- WATER	Ground Water	Color	APHA (23rd Edition), 2120 B
86	CHEMICAL- WATER	Ground Water	Conductivity	APHA (23rd Edition),2510 B
87	CHEMICAL- WATER	Ground Water	Dissolved Oxygen (DO)	APHA (23rd Edition),4500 O C
88	CHEMICAL- WATER	Ground Water	Fixed Solids	APHA (23rd Edition),2540 E
89	CHEMICAL- WATER	Ground Water	Fluorides as F-	APHA (23rd Edition),4500 F- D
90	CHEMICAL- WATER	Ground Water	Hexavalent Chromium as Cr+6	APHA (23rd Edition),3500 Cr B
91	CHEMICAL- WATER	Ground Water	Nitrate Nitrogen as N	APHA (23rd Edition),4500 NO3- B
92	CHEMICAL- WATER	Ground Water	Nitrite Nitrogen as N	APHA (23rd Edition), 4500 NO2 â€“ B(Colorimetric Method)
93	CHEMICAL- WATER	Ground Water	Nitrogen (Ammonia) as N	APHA (23rd Edition),4500 NH3 B, C
94	CHEMICAL- WATER	Ground Water	Nitrogen (Organic) as N	APHA (23rd Edition),4500 N (org) B

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95	CHEMICAL- WATER	Ground Water	Oil & Grease	APHA (23rd Edition), 5520 B
96	CHEMICAL- WATER	Ground Water	pH	APHA (23rd Edition), 4500 H+ B
97	CHEMICAL- WATER	Ground Water	Phosphorus as P	APHA (23rd Edition),4500 P C
98	CHEMICAL- WATER	Ground Water	Potassium as K	APHA (23rd Edition),3500 K B
99	CHEMICAL- WATER	Ground Water	Silica as SiO2	APHA (23rd Edition), 4500 SiO2 C
100	CHEMICAL- WATER	Ground Water	Sodium as Na	APHA (23rd Edition), 3500 Na B
101	CHEMICAL- WATER	Ground Water	Sulphates as SO4-2	APHA (23rd Edition), 4500 SO4-2 D
102	CHEMICAL- WATER	Ground Water	Sulphide as S-2	APHA (23rd Edition),4500 S2 F
103	CHEMICAL- WATER	Ground Water	Sulphite as SO3-2	APHA (23rd Edition),4500 SO3-2, B
104	CHEMICAL- WATER	Ground Water	Temperature	APHA (23rd Edition),2550 A, B
105	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	APHA (23rd Edition),2540 C
106	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	APHA (23rd Edition),2340 C
107	CHEMICAL- WATER	Ground Water	Total Suspended Solids	APHA (23rd Edition),2540 D
108	CHEMICAL- WATER	Ground Water	Turbidity	APHA (23rdEdition), 2130 B
109	CHEMICAL- WATER	Ground Water	Volatile Solids	APHA (23rd Edition),2540 E
110	CHEMICAL- WATER	Industrial Water	Acidity as CaCO3	APHA (23rd Edition),2310 B
111	CHEMICAL- WATER	Industrial Water	Alkalinity as CaCO3	APHA (23rd Edition),2320 B
112	CHEMICAL- WATER	Industrial Water	Biological Oxygen Demand 3 DAYS at 270C	IS: 3025(Part-44)
113	CHEMICAL- WATER	Industrial Water	Calcium as Ca	APHA (23rd Edition), 3500 Ca B
114	CHEMICAL- WATER	Industrial Water	Chemical Oxygen Demand	APHA (23rd Edition),5220 B
115	CHEMICAL- WATER	Industrial Water	Chlorides as Cl-	APHA (23rd Edition), 4500 Cl- B
116	CHEMICAL- WATER	Industrial Water	Color	APHA (23rd Edition),2120 B
117	CHEMICAL- WATER	Industrial Water	Conductivity	APHA (23rd Edition),2510 B
118	CHEMICAL- WATER	Industrial Water	Dissolved Oxygen (DO)	APHA (23rd Edition), 4500 O C
119	CHEMICAL- WATER	Industrial Water	Fixed Solids	APHA (23rd Edition), 2540 E
120	CHEMICAL- WATER	Industrial Water	Fluorides as F-	APHA (23rd Edition), 4500 F- D
121	CHEMICAL- WATER	Industrial Water	Hexavalent Chromium as Cr+6	APHA (23rd Edition), 3500 Cr B

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122	CHEMICAL- WATER	Industrial Water	Nitrate Nitrogen as N	APHA (23rd Edition), 4500 NO3- B
123	CHEMICAL- WATER	Industrial Water	Nitrite Nitrogen as N	APHA (23rd Edition), 4500 NO2 B(Colorimetric Method)
124	CHEMICAL- WATER	Industrial Water	Nitrogen (Ammonia) as N	APHA (23rd Edition), 4500 NH3 B, C
125	CHEMICAL- WATER	Industrial Water	Nitrogen (Organic) as N	APHA (23rd Edition), 4500 N (org) B
126	CHEMICAL- WATER	Industrial Water	Oil & Grease	APHA (23rd Edition), 5520 B
127	CHEMICAL- WATER	Industrial Water	pH	APHA (23rd Edition),4500 H+ B
128	CHEMICAL- WATER	Industrial Water	Phosphorus as P	APHA (23rd Edition), 4500 P C
129	CHEMICAL- WATER	Industrial Water	Potassium as K	APHA (23rd Edition), 3500 K B
130	CHEMICAL- WATER	Industrial Water	Silica as SiO2	APHA (23rd Edition), 4500 SiO2 C
131	CHEMICAL- WATER	Industrial Water	Sodium as Na	APHA (23rd Edition), 4500 Na B
132	CHEMICAL- WATER	Industrial Water	Sulphide as S-2	APHA (23rd Edition), 4500 S2 F
133	CHEMICAL- WATER	Industrial Water	Sulphite as SO3-2	APHA (23rd Edition),4500 SO3-2, B
134	CHEMICAL- WATER	Industrial Water	Temperature	APHA (23rd Edition),2550 A, B
135	CHEMICAL- WATER	Industrial Water	Total Dissolved Solids	APHA (23rd Edition),2540 C
136	CHEMICAL- WATER	Industrial Water	Total Hardness as CaCO3	APHA (23rd Edition), 2340 C
137	CHEMICAL- WATER	Industrial Water	Total Suspended Solids	APHA (23rd Edition),2540 D
138	CHEMICAL- WATER	Industrial Water	Turbidity	APHA (23rdEdition),2130 B
139	CHEMICAL- WATER	Industrial Water	Volatile Solids	APHA (23rd Edition), 2540 E
140	CHEMICAL- WATER	Irrigation Water	Acidity as CaCO3	APHA (23rd Edition), 2310 B
141	CHEMICAL- WATER	Irrigation Water	Alkalinity as CaCO3	APHA (23rd Edition), 2320 B
142	CHEMICAL- WATER	Irrigation Water	Biological Oxygen Demand 3 DAYS at 27oC	IS: 3025(Part-44)
143	CHEMICAL- WATER	Irrigation Water	Calcium as Ca	APHA (23rd Edition), 3500 Ca B
144	CHEMICAL- WATER	Irrigation Water	Chemical Oxygen Demand	APHA (23rd Edition), 5220 B
145	CHEMICAL- WATER	Irrigation Water	Chlorides as Cl-	APHA (23rd Edition), 4500 Cl- B
146	CHEMICAL- WATER	Irrigation Water	Color	APHA (23rd Edition), 2120 B
147	CHEMICAL- WATER	Irrigation Water	Conductivity	APHA (23rd Edition),2510 B

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148	CHEMICAL- WATER	Irrigation Water	Dissolved Oxygen (DO)	APHA (23rd Edition), 4500 O C
149	CHEMICAL- WATER	Irrigation Water	Fixed Solids	APHA (23rd Edition), 2540 E
150	CHEMICAL- WATER	Irrigation Water	Fluorides as F-	APHA (23rd Edition), 4500 F- D
151	CHEMICAL- WATER	Irrigation Water	Hexavalent Chromium as Cr+6	APHA (23rd Edition), 3500 Cr B
152	CHEMICAL- WATER	Irrigation Water	Nitrate Nitrogen as N	APHA (23rd Edition), 4500 NO3- B
153	CHEMICAL- WATER	Irrigation Water	Nitrite Nitrogen as N	APHA (23rd Edition), 4500 NO2 â€“ B(Colorimetric Method)
154	CHEMICAL- WATER	Irrigation Water	Nitrogen (Ammonia) as N	APHA (23rd Edition), 4500 NH3 B, C
155	CHEMICAL- WATER	Irrigation Water	Nitrogen (Organic) as N	APHA (23rd Edition), 4500 N (org) B
156	CHEMICAL- WATER	Irrigation Water	Oil & Grease	APHA (23rd Edition), 5520 B
157	CHEMICAL- WATER	Irrigation Water	pH	APHA (23rd Edition), 4500 H+ B
158	CHEMICAL- WATER	Irrigation Water	Phosphorus as P	APHA (23rd Edition), 4500 P C
159	CHEMICAL- WATER	Irrigation Water	Silica as SiO2	APHA (23rd Edition), 4500 SiO2 C
160	CHEMICAL- WATER	Irrigation Water	Sodium as Na	APHA (23rd Edition), 3500 Na B
161	CHEMICAL- WATER	Irrigation Water	Sulphates as SO4-2	APHA (23rd Edition), 4500 SO4-2 D
162	CHEMICAL- WATER	Irrigation Water	Sulphide as S-2	APHA (23rd Edition), 4500 S2 F
163	CHEMICAL- WATER	Irrigation Water	Sulphite as SO3-2	APHA (23rd Edition), 4500 SO3-2, B
164	CHEMICAL- WATER	Irrigation Water	Temperature	APHA (23rd Edition), 2550 A, B
165	CHEMICAL- WATER	Irrigation Water	Total Dissolved Solids	APHA (23rd Edition), 2540 C
166	CHEMICAL- WATER	Irrigation Water	Total Hardness as CaCO3	APHA (23rd Edition), 2340 C
167	CHEMICAL- WATER	Irrigation Water	Total Suspended Solids	APHA (23rd Edition), 2540 D
168	CHEMICAL- WATER	Irrigation Water	Turbidity	APHA (23rd Edition), 2130 B
169	CHEMICAL- WATER	Irrigation Water	Volatile Solids	APHA (23rd Edition), 2540 E
170	CHEMICAL- WATER	Surface Water	Acidity as CaCO3	APHA (23rd Edition),2310 B
171	CHEMICAL- WATER	Surface Water	Alkalinity as CaCO3	APHA (23rd Edition),2320 B
172	CHEMICAL- WATER	Surface Water	Biological Oxygen Demand 3 DAYS at 27oC	IS: 3025(Part-44)

SCOPE OF ACCREDITATION

Laboratory Name : STAR ANALYTICAL SERVICES, 18-21/1, 2ND FLOOR, VENGALAYAPALEM, GUNTUR, ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10984 **Page No** 10 of 11

Validity 14/09/2022 to 13/09/2024 **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
173	CHEMICAL- WATER	Surface Water	Calcium as Ca	APHA (23rd Edition), 3500 Ca B
174	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	APHA (23rd Edition), 5220 B
175	CHEMICAL- WATER	Surface Water	Chlorides as Cl-	APHA (23rd Edition), 4500 Cl- B
176	CHEMICAL- WATER	Surface Water	Color	APHA (23rd Edition),2120 B
177	CHEMICAL- WATER	Surface Water	Conductivity	APHA (23rd Edition), 2510 B
178	CHEMICAL- WATER	Surface Water	Dissolved Oxygen (DO)	APHA (23rd Edition), 4500 O C
179	CHEMICAL- WATER	Surface Water	Fixed Solids	APHA (23rd Edition), 2540 E
180	CHEMICAL- WATER	Surface Water	Fluorides as F-	APHA (23rd Edition), 4500 F- D
181	CHEMICAL- WATER	Surface Water	Hexavalent Chromium as Cr+6	APHA (23rd Edition), 3500 Cr B
182	CHEMICAL- WATER	Surface Water	Nitrate Nitrogen as N	APHA (23rd Edition), 4500 NO3- B
183	CHEMICAL- WATER	Surface Water	Nitrite Nitrogen as N	APHA (23rd Edition), 4500 NO2 B(Colorimetric Method)
184	CHEMICAL- WATER	Surface Water	Nitrogen (Ammonia) as N	APHA (23rd Edition), 4500 NH3 B, C
185	CHEMICAL- WATER	Surface Water	Nitrogen (Organic) as N	APHA (23rd Edition), 4500 N (org) B
186	CHEMICAL- WATER	Surface Water	Oil & Grease	APHA (23rd Edition), 5520 B
187	CHEMICAL- WATER	Surface Water	pH	APHA (23rd Edition), 4500 H+ B
188	CHEMICAL- WATER	Surface Water	Phosphorus as P	APHA (23rd Edition),4500 P C
189	CHEMICAL- WATER	Surface Water	Potassium as K	APHA (23rd Edition),3500 K B
190	CHEMICAL- WATER	Surface Water	Silica as SiO2	APHA (23rd Edition), 4500 SiO2 C
191	CHEMICAL- WATER	Surface Water	Sodium as Na	APHA (23rd Edition),3500 Na B
192	CHEMICAL- WATER	Surface Water	Sulphates as SO4-2	APHA (23rd Edition), 4500 SO4-2 D
193	CHEMICAL- WATER	Surface Water	Sulphide as S-2	APHA (23rd Edition), 4500 S2 F
194	CHEMICAL- WATER	Surface Water	Sulphite as SO3-2	APHA (23rd Edition), 4500 SO3-2, B
195	CHEMICAL- WATER	Surface Water	Temperature	APHA (23rd Edition), 2550 A, B
196	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	APHA (23rd Edition), 2540 C
197	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	APHA (23rd Edition), 2340 C
198	CHEMICAL- WATER	Surface Water	Turbidity	APHA (23rd Edition), 2130 B

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10984	**Page No**	11 of 11
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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
199	CHEMICAL- WATER	Surface Water	Volatile Solids	APHA (23rd Edition), 2540 E