SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 1 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
LOCATION 1-PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA Permanent Facility				
1	CHEMICAL- LUBRICANTS	Lubricant oil	Flash point	ASTM D92
2	CHEMICAL- LUBRICANTS	Lubricant Oil	Flash point	ASTM D93
3	CHEMICAL- LUBRICANTS	Lubricant Oil	Insoluble in Hexane	ASTM D893B
4	CHEMICAL- LUBRICANTS	Lubricant Oil	Insoluble in Toulene	ASTM D893B
5	CHEMICAL- LUBRICANTS	lubricant oil	kinematic viscosity at 100 deg C	ASTM D445
6	CHEMICAL- LUBRICANTS	Lubricant Oil	Total Acid Number(TAN)	ASTM D664
7	CHEMICAL- LUBRICANTS	Lubricant Oil	Total Acid Number(TAN)	ASTM D974
8	CHEMICAL- LUBRICANTS	Lubricant Oil	Total Base Number(TBN)	ASTM D2896
9	CHEMICAL- LUBRICANTS	lubricant oil	Viscosity @ 40Deg C	ASTM D445
10	CHEMICAL- LUBRICANTS	Lubricant Oil	Viscosity Index	ASTM D 2270
11	CHEMICAL- LUBRICANTS	Lubricant oil	Viscosity Index	ASTM D 445
12	CHEMICAL- LUBRICANTS	Lubricant Oil	Water Content	ASTM D95
13	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium as Cr	ASTM E1251
14	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper as Cu	ASTM E1251
15	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron as Fe	ASTM E1251
16	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead as Pb	ASTM E1251
17	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium as Mg	ASTM E1251
18	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese as Mn	ASTM E1251
19	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon as Si	ASTM E1251
20	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium as Ti	ASTM E1251
21	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc as Zn	ASTM E1251
22	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese as Mn	ASTM E1999

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	2 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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- METALS & ALLOYS	Cast Iron	Molybdenum as Mo	ASTM E1999
24	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel as Ni	ASTM E1999
25	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus as P	ASTM E1999
26	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon as Si	ASTM E1999
27	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur as S	ASTM E1999
28	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium as V	ASTM E1999
29	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon as C	ASTM E1999
30	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon as C	IS 15338
31	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium as Cr	IS 15338
32	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium as Cr	ASTM E1999
33	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper as Cu	ASTM E1999
34	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper as Cu	IS 15338
35	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese as Mn	ASTM E1999
36	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese as Mn	IS 15338
37	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum as Mo	IS 15338
38	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel as Ni	IS 15338
39	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus as P	IS 15338
40	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon as Si	IS 15338
41	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur as S	IS 15338

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-7379
Page No	3 of 63
Validity	15/09/2021 to 14/09/2023
Last Amended on	16/05/2023

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
42	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium as V	IS 15338
43	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron as Fe	BS EN 15079
44	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead as Pb	BS EN 15079
45	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel as Ni	BS EN 15079
46	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin as Sn	BS EN 15079
47	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc as Zn	BS EN 15079
48	CHEMICAL- METALS & ALLOYS	Copper and copper alloys	Iron as Fe	BS EN 15079
49	CHEMICAL- METALS & ALLOYS	Copper and its alloys	Lead as Pb	BS EN 15079
50	CHEMICAL- METALS & ALLOYS	Copper and its alloys	Silver as Ag	BS EN 15079
51	CHEMICAL- METALS & ALLOYS	Copper and its alloys	Zinc as Zn	BS EN 15079
52	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Aluminium as Al	ASTM E415
53	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Chromium as Cr	ASTM E415
54	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Copper as Cu	ASTM E415
55	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Molybdenum as Mo	ASTM E415
56	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Nickel as Ni	ASTM E415
57	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Phosphorus as P	ASTM E415
58	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Silicon as Si	ASTM E415
59	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Sulphur as S	ASTM E415
60	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Vanadium as V	ASTM E415

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-7379
Page No	4 of 63
Validity	15/09/2021 to 14/09/2023
Last Amended on	16/05/2023

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
61	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Aluminium as Al	IS 8811
62	CHEMICAL- METALS & ALLOYS	Low alloy steels	Carbon as C	ASTM E415
63	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Carbon as C	IS 8811
64	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Chromium as Cr	IS 8811
65	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Copper as Cu	IS 8811
66	CHEMICAL- METALS & ALLOYS	Low alloy steels	Manganese as Mn	ASTM E415
67	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Manganese as Mn	IS 8811
68	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Molybdenum as Mo	IS 8811
69	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Nickel as Ni	IS 8811
70	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Phosphorus as P	IS 8811
71	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Silicon as Si	IS 8811
72	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Sulphur as S	IS 8811
73	CHEMICAL- METALS & ALLOYS	Low Alloy Steels	Vanadium as V	IS 8811
74	CHEMICAL- METALS & ALLOYS	Stainless Steels	Carbon as C	ASTM E1086
75	CHEMICAL- METALS & ALLOYS	Stainless Steels	Chromium as Cr	ASTM E1086
76	CHEMICAL- METALS & ALLOYS	Stainless Steels	Copper as Cu	ASTM E1086
77	CHEMICAL- METALS & ALLOYS	Stainless Steels	Manganese as Mn	ASTM E1086
78	CHEMICAL- METALS & ALLOYS	Stainless Steels	Molybdenum as Mo	ASTM E1086
79	CHEMICAL- METALS & ALLOYS	Stainless Steels	Nickel as Ni	ASTM E1086

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	5 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
80	CHEMICAL- METALS & ALLOYS	Stainless Steels	Phosphorus as P	ASTM E1086
81	CHEMICAL- METALS & ALLOYS	Stainless Steels	Silicon as Si	ASTM E1086
82	CHEMICAL- METALS & ALLOYS	Stainless Steels	Sulphur as S	ASTM E1086
83	CHEMICAL- METALS & ALLOYS	Stainless Steels	Vanadium as V	ASTM E1086
84	CHEMICAL- METALS & ALLOYS	Stainless Steels	Carbon as C	IS 9879
85	CHEMICAL- METALS & ALLOYS	Stainless Steels	Chromium as Cr	IS 9879
86	CHEMICAL- METALS & ALLOYS	Stainless Steels	Copper as Cu	IS 9879
87	CHEMICAL- METALS & ALLOYS	Stainless Steels	Manganese as Mn	IS 9879
88	CHEMICAL- METALS & ALLOYS	Stainless Steels	Molybdenum as Mo	IS 9879
89	CHEMICAL- METALS & ALLOYS	Stainless Steels	Nickel as Ni	IS 9879
90	CHEMICAL- METALS & ALLOYS	Stainless Steels	Phosphorus as P	IS 9879
91	CHEMICAL- METALS & ALLOYS	Stainless Steels	Silicon as Si	IS 9879
92	CHEMICAL- METALS & ALLOYS	Stainless Steels	Sulphur as S	IS 9879
93	CHEMICAL- METALS & ALLOYS	Stainless Steels	Vanadium as V	IS 9879
94	CHEMICAL- METALS & ALLOYS	Titanium & titanium alloys	Aluminium as Al	ASTM E2994
95	CHEMICAL- METALS & ALLOYS	Titanium & titanium alloys	Iron as Fe	ASTM E2994
96	CHEMICAL- METALS & ALLOYS	Titanium & titanium alloys	Silicon as Si	ASTM E2994
97	CHEMICAL- METALS & ALLOYS	Titanium & titanium alloys	Vanadium as V	ASTM E2994
98	CHEMICAL- METALS & ALLOYS	Titanium & titanium alloys	Zirconium as Zr	ASTM E2994

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 6 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
99	CHEMICAL- SOLID FUELS	Coal/Coke	Ash	IS 1350(Part-1)
100	CHEMICAL- SOLID FUELS	Coal/Coke	Gross Calorific Value	IS 1350(Part-2)
101	CHEMICAL- SOLID FUELS	Coal/Coke	Moisture	IS 1350(Part-1)
102	CHEMICAL- SOLID FUELS	Coal/Coke	Sulphur	IS 1350 (Part-3)
103	CHEMICAL- SOLID FUELS	Coal/Coke	Volatile Matter	IS 1350(Part-1)
104	CHEMICAL- WATER	Drinking Water	Aluminium as Al	IS 3025 (Part 55)
105	CHEMICAL- WATER	Drinking Water	Arsenic as As	IS 3025(Part 41)
106	CHEMICAL- WATER	Drinking Water	Cadmium as Cd	IS 3025(Part 41)
107	CHEMICAL- WATER	Drinking Water	Calcium as Ca	IS 3025(Part 40)
108	CHEMICAL- WATER	Drinking Water	Chemical Oxygen Demand(COD)	IS 3025(Part 58)
109	CHEMICAL- WATER	Drinking Water	Chlorides as Cl	IS 3025(Part 32)
110	CHEMICAL- WATER	Drinking Water	Chromium as Cr	IS 3025(Part52)
111	CHEMICAL- WATER	Drinking Water	Copper as Cu	IS 3025 (Part 42)
112	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	IS 3025(Part 14)
113	CHEMICAL- WATER	Drinking Water	Flouride as F	IS 3025 (Part 16)
114	CHEMICAL- WATER	Drinking Water	Iron as Fe	IS 3025(Part 53)
115	CHEMICAL- WATER	Drinking Water	Lead as Pb	IS 3025(Part 47)
116	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	IS 3025(Part 46)
117	CHEMICAL- WATER	Drinking Water	Manganese as Mn	IS 3025(Part 59)
118	CHEMICAL- WATER	Drinking Water	Mercury as Hg	IS 3025(Part 48)
119	CHEMICAL- WATER	Drinking Water	Nickle as Ni	IS 3025(Part 54)
120	CHEMICAL- WATER	Drinking Water	Nitrates as NO3	IS 3025(Part 34)
121	CHEMICAL- WATER	Drinking Water	pH Value	IS 3025(Part 11)
122	CHEMICAL- WATER	Drinking Water	Phosphates as PO4	IS 3025(Part 31)
123	CHEMICAL- WATER	Drinking Water	Potassium as K	IS 3025(Part 45)
124	CHEMICAL- WATER	Drinking Water	Reactive Silica as SiO2	IS 3025(Part 35)
125	CHEMICAL- WATER	Drinking Water	Selenium as Se	IS 3025(Part 56)
126	CHEMICAL- WATER	Drinking Water	Sodium as Na	IS 3025(9Part 45)
127	CHEMICAL- WATER	Drinking Water	Sulphates as SO4	IS 3025(Part 24)
128	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	IS 3025(Part 23)

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-7379
Page No	7 of 63
Validity	15/09/2021 to 14/09/2023
Last Amended on	16/05/2023

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
129	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025(Part 16)
130	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	IS 3025(Part 25)
131	CHEMICAL- WATER	Drinking Water	Total Solids	IS 3025(Part 15)
132	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	IS 3025(Part 17)
133	CHEMICAL- WATER	Drinking Water	Zinc as Zn	IS 3025(Part 49)
134	CHEMICAL- WATER	Ground Water	Aluminium as Al	IS 3025(Part 55)
135	CHEMICAL- WATER	Ground Water	Arsenic as As	IS 3025(Part 37)
136	CHEMICAL- WATER	Ground Water	Cadmium as Cd	IS 3025(Part 41)
137	CHEMICAL- WATER	Ground Water	Calcium as Ca	IS 3025(Part 40)
138	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand(COD)	IS 3025(Part 58)
139	CHEMICAL- WATER	Ground Water	Chlorides as Cl	IS 3025(part 32)
140	CHEMICAL- WATER	Ground Water	Chromium as Cr	IS 3025(Part 52)
141	CHEMICAL- WATER	Ground Water	Copper as Cu	IS 3025(Part 42)
142	CHEMICAL- WATER	Ground Water	Electrical Conductivity	IS 3025(Part 14)
143	CHEMICAL- WATER	Ground Water	Flouride as F	IS 3025(Part 60)
144	CHEMICAL- WATER	Ground Water	Iron as Fe	IS 3025(Part 53)
145	CHEMICAL- WATER	Ground Water	Lead as Pb	IS 3025(Part 47)
146	CHEMICAL- WATER	Ground Water	Magnesium as Mg	IS 3025(Part 46)
147	CHEMICAL- WATER	Ground Water	Manganese as Mn	IS 3025(Part 59)
148	CHEMICAL- WATER	Ground Water	Mercury as Hg	IS 3025(Part 48)
149	CHEMICAL- WATER	Ground Water	Nickle as Ni	IS 3025(Part 54)
150	CHEMICAL- WATER	Ground Water	Nitrates as NO3	IS 3025(Part 34)
151	CHEMICAL- WATER	Ground Water	pH Value	IS 3025(Part 11)
152	CHEMICAL- WATER	Ground Water	Phosphates as PO4	IS 3025(Part 31)
153	CHEMICAL- WATER	Ground Water	Potassium as K	IS 3025(Part 45)
154	CHEMICAL- WATER	Ground Water	Reactive Silica as SiO2	IS 3025(Part 35)
155	CHEMICAL- WATER	Ground Water	Selenium as Se	IS 3025(Part 56)
156	CHEMICAL- WATER	Ground Water	Sodium as Na	IS 3025(Part 45)
157	CHEMICAL- WATER	Ground Water	Sulphates as SO4	IS 3025(Part 24)
158	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO3	IS 3025(Part 23)

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-7379
Page No	8 of 63
Validity	15/09/2021 to 14/09/2023
Last Amended on	16/05/2023

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
159	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025(part 16)
160	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	IS 3025(Part 21)
161	CHEMICAL- WATER	Ground Water	Total Solids	IS 3025(Part 15)
162	CHEMICAL- WATER	Ground Water	Total Suspended Solids	IS 3025(Part 17)
163	CHEMICAL- WATER	Ground Water	Zinc as Zn	IS 3025(Part 49)
164	CHEMICAL- WATER	Surface Water	Aluminium as Al	IS 3025(Part 55)
165	CHEMICAL- WATER	Surface Water	Arsenic as As	IS 3025(Part 37)
166	CHEMICAL- WATER	Surface Water	Cadmium as Cd	IS 3025(Part-41)
167	CHEMICAL- WATER	Surface Water	Calcium as Ca	IS 3025(Part 40)
168	CHEMICAL- WATER	Surface water	Chemical Oxygen demand(COD)	IS 3025(Part 58)
169	CHEMICAL- WATER	Surface Water	Chlorides as Cl	IS 3025(Part 32)
170	CHEMICAL- WATER	Surface water	Chromium as Cr	IS 3025(Part 52)
171	CHEMICAL- WATER	Surface water	Copper as Cu	IS 3025(Part 42)
172	CHEMICAL- WATER	surface water	Electrical conductivity	IS 3025(part 14)
173	CHEMICAL- WATER	Surface water	Fluoride as F	IS 3025(Part 60)
174	CHEMICAL- WATER	Surface water	Iron as Fe	IS 3025(part 53)
175	CHEMICAL- WATER	Surface water	Lead as Pb	IS 3025(Part 47)
176	CHEMICAL- WATER	Surface water	Magnesium as Mg	IS 3025(Part 46)
177	CHEMICAL- WATER	Surface water	Manganese as Mn	IS 3025(Part 59)
178	CHEMICAL- WATER	Surface water	Mercury as Hg	IS 3025(Part 48)
179	CHEMICAL- WATER	Surface water	Nickle as Ni	IS 3025(Part 54)
180	CHEMICAL- WATER	Surface water	Nitrate as NO3	IS 3025(Part 34)
181	CHEMICAL- WATER	surface water	pH value	IS 3025(part 11)
182	CHEMICAL- WATER	Surface water	Phosphates as PO4	IS 3025(Part 31)
183	CHEMICAL- WATER	Surface water	Potassium as K	IS 3025(Part 45)
184	CHEMICAL- WATER	Surface water	Reactive silica as SiO2	IS 3025(Part 35)
185	CHEMICAL- WATER	Surface water	Selenium as Se	IS 3025(Part 56)
186	CHEMICAL- WATER	Surface water	Sodium as Na	IS 3025(Part 45)
187	CHEMICAL- WATER	Surface water	Sulphates as SO4	IS 3025(Part 24)
188	CHEMICAL- WATER	Surface water	Total Alkalinity as CaCO3	IS 3025(Part 23)

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	9 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
189	CHEMICAL- WATER	Surface water	Total dissolved solids	IS 3025(part 16)
190	CHEMICAL- WATER	Surface water	Total Hardness as CaCO3	IS 3025(Part 21)
191	CHEMICAL- WATER	Surface water	Total solids	IS 3025(Part 15)
192	CHEMICAL- WATER	Surface water	Total suspended solids	IS 3025(Part 17)
193	CHEMICAL- WATER	Surface water	Zinc as Zn	IS 3025(Part 49)
194	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Corrosion(Salt/Salt Fog)/Corrosive Atmosphere(Salt Mist)/Corrosion-Salt/Salt Mist Test	JSS 55555: 2012 Test No 9 JSS 50101:1996(RA 2001) Test No 4 IEC 60068-2-11-1981 IEC 60571:1998 subclause 10.2.10 QM 333/ISSUED DATED MARCH2010 Test No 9 MIL-STD-810G:2014 METHOD 509.6 IS-9000:1983 part 11 RA 2004,JSS 0256.01:1992 Test No.12: 2012
195	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Damp Heat/Damp Heat(Steady State)/Humidity	JSS 55555:2012 Test No 10 JSS 50101:1996(RA 2001) Test No 7 IEC 60068-2-67:1995 IEC 60068-2-78:2012 QM 333/March 2010 Test No 5 MIL-STD-810G:2014 Method 507.6: 2014, IS 9000- PART 4: 2008
196	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	High Temperature/Temperature (Dry Heat)/Dry Heat	JSS 55555:2012 Test No 17 JSS 50101:1996(RA 2001)Test NO 22 JSS 0256.01:1992 Test No 1 IEC 60068-2-2:2007 IEC 60571:1998 subclause 10.2.4 QM 333:MARCH2010 Test NO 2 MIL-STD-810G:2014 Method 501.6: 2014, IS 9000-PART 3:1977:RA 2004
197	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Low Temperature/Temperature(Cold)/ Cold Test	JSS 55555:2012 Test No 20 JSS 50101:1996(RA 2001) Test No.21 JSS 0256.01:1992 Test No.2 IEC 60068-2-1:2007 IEC 60571:1998 subclause 10.2.14 QM 333:MARCH2010 TEST NO 1 MIL-STD-810G:2014 Method 502.6: 2014, IS 9000-PART 2: 1977 RA 2004
198	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Mould Growth(Fungus)	MIL-STD-810G(METHOD 508.7)

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	10 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Dry Heat / High Temperature	IEC 60068-2-2
200	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Dry Heat / High Temperature	IS 15908
201	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Dry Heat / High Temperature	MIL-STD-883K
202	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Cold/lLow Temperature	IEC 62498-1
203	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Cold/lLow Temperature	IS 15908
204	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Cold/lLow Temperature	IS 2175
205	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Cold/lLow Temperature	JSS 0256-01 TEST NO.2
206	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Cold/lLow Temperature	JSS 1550-1
207	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Cold/lLow Temperature	QM 333
208	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Damp Heat(Steady State)	IEC 60068-2-78
209	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Damp Heat(Steady State)	MIL-STD-810G METHOD 507.6
210	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Cold/lLow Temperature	CEI EN 50125-2
211	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Cold/lLow Temperature	CEI EN 50125-3
212	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Cold/lLow Temperature	IEC 60068-2-1

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	11 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
213	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Cold/lLow Temperature	IEC 60571
214	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Cold/lLow Temperature	IS 2175
215	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Cold/lLow Temperature	JSS 50101 TEST NO.21
216	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Cold/lLow Temperature	JSS 55555 TEST NO.20
217	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Cold/lLow Temperature	MIL-HDBK-310
218	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Cold/lLow Temperature	MIL-STD-810G METHOD 502.6
219	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Damp Heat(Steady State)	IEC 60068-2-67
220	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Damp Heat(Steady State)	BS 6134
221	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Damp Heat(Steady State)	CEI EN 50125-1
222	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Damp Heat(Steady State)	CEI EN 50125-2
223	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Damp Heat(Steady State)	CEI EN 50125-3
224	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Damp Heat(Steady State)	IEC 60068-2-78
225	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Damp Heat(Steady State)	IEC 62498-1
226	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Damp Heat(Steady State)	IS 15908

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	12 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
227	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Damp Heat(Steady State)	IS 9000(PART4)
228	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Damp Heat(Steady State)	JSS 50101 TEST NO.7
229	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Damp Heat(Steady State)	JSS 55555 TEST NO.10
230	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Damp Heat(Steady State)	MIL-HDBK-310
231	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Damp Heat(Steady State)	MIL-STD-810G METHOD 507.6
232	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Damp Heat(Steady State)	QM 333
233	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Dry Heat / High Temperature	ASTM C149
234	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Dry Heat / High Temperature	ASTM D4332
235	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Dry Heat / High Temperature	BS 6134
236	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Dry Heat / High Temperature	CEI EN 50125-1
237	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Dry Heat / High Temperature	IEC 60571
238	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Dry Heat / High Temperature	IEC 62498-1
239	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Dry Heat / High Temperature	IS 2175
240	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Dry Heat / High Temperature	IS 9000(PART NO.3 / SEC 1 TO 5)

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	13 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
241	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Dry Heat / High Temperature	JSS 0256-01 TEST NO.1
242	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Dry Heat / High Temperature	JSS 1550-1
243	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Dry Heat / High Temperature	JSS 50101 TEST NO.22
244	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Dry Heat / High Temperature	JSS 55555 TEST NO. 17
245	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Dry Heat / High Temperature	MIL-STD-810G METHOD 501.6
246	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Dry Heat / High Temperature	QM 333
247	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products	Altitude(Low Air Pressure) Test	JSS 55555:
248	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Corrosion(Salt/Salt Fog)/Corrosive Atmosphere(Salt Mist)/Corrosion-Salt/Salt Mist Test	JSS 55555: 2012 Test No 9 JSS 50101:1996(RA 2001) Test No 4 IEC 60068-2-11-1981 IEC 60571:1998 subclause 10.2.10 QM 333/ISSUED DATED MARCH2010 Test No 9 MIL-STD-810G:2014 METHOD 509.6 IS-9000:1983 part 11 (RA 2004)JSS 0256.01:1992 Test No.12
249	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Damp Heat(Cyclic)/Damp Heat /Damp Heat(Moisture Resistance)	JSS 50101:2012 TEST NO.5&6 IS 9000:1981(PART NO.5/SEC 1 TO 2) IEC 60571:2012 MIL-STD-810G:2014 Method 507.6 IEC 60068-2-30-2005 QM 333:2010 MIL-HDBK-310:1997 JSS 1550-01:2006 CEI EN 50125-2:2003 CEI EN 50125-3:2014

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	14 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
250	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Damp Heat/Damp Heat(Steady State)/Humidity	JSS 55555: 2012 Test No : 10 JSS 50101:2012 TEST NO.7 JSS 0256.01 Test No.4 IEC 60068-2-67:1995 IEC 60068-2-78:2012 QM 333: 2010 MIL-STD-810G:2014 Method 507.6 IS 9000:2008(PART 4) MIL-HDBK-310:1997
251	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Drop Test	JSS 55555:2012 Test No 13 QM 333:March 2010 Test No 10 IS 9000: 1981(RA2003) Part 7
252	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	High Temperature/Temperature (Dry Heat)/Dry Heat	JSS 55555:2012 Test No 17 JSS 50101:1996(RA 2001)Test NO 22 JSS 0256.01:1992 Test No 1 IEC 60068-2-2:2007 IEC 60571:1998 subclause 10.2.4 QM 333:MARCH2010 Test NO 2 MIL-STD-810G:2014 Method 501.6
253	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Low Temperature/Temperature(Cold)/ Cold Test	JSS 55555:2012 TEST NO. 20 JSS 50101:2012 TEST NO.21 JSS 0256-01:2015 TEST NO. 2 QM 333:2010 IEC 60571:2012 IS 9000:1977(PART 2/ SEC 1 TO 4) IEC 60068-2-1:2007 MIL-STD-810G:2014 METHOD 502.6 CEI EN 50125-2:2003 JSS 1550-1:2006
254	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Mould Growth(Fungus)	JSS 55555 Test No.21
255	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Rapid Temperature Cycling(Thermal shock)/Temperature Cycling	JSS 55555:2012 Test No 22 JSS 50101:1996(RA2001) Test No 20 IEC 60068-2-14:2009 QM 333:March 2010 Test No 4
256	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Tropical Exposure	JSS 55555: Test No .27
257	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(steady state)	IEC 61215(Clause 10.13)
258	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(steady state)	IEC 61646(Clause 10.13)

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	15 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
259	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid Change of Temperature	CEI EN 50125-1
260	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid Change of Temperature	IEC 60068-2-14
261	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid change of Temperature	IEC 61646(Clause 10.11)
262	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid Change of Temperature	JSS 50101 TEST NO.20
263	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid Change of Temperature	MIL-STD-331(METHOD C6)
264	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Thermal Shock	JSS 0256-01 TEST NO.5
265	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Thermal Shock	JSS 55555 TEST NO.22
266	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Thermal Shock	MIL-HDBK-310
267	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Tropical Exposure	JSS 55555-2012 TEST NO.27
268	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Composite Temperature & Humidity	IEC 60068-2-38
269	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Composite Temperature & Humidity	IS 9000(PART 6)
270	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Composite Temperature & Humidity	IS 9000:1978(Part 6)
271	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Composite Temperature & Humidity	NEBS GR 63
272	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Corrosion (Salt/Salt Fog)Corrosive Atmosphere(Salt mist)/Salt Fog	ASTM B117

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	16 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
273	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Corrosion (Salt/Salt Fog)Corrosive Atmosphere(Salt mist)/Salt Fog	BS EN ISO 9227
274	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Corrosion (Salt/Salt Fog)Corrosive Atmosphere(Salt mist)/Salt Fog	IEC 60068-2-11
275	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Corrosion (Salt/Salt Fog)Corrosive Atmosphere(Salt mist)/Salt Fog	IEC 60068-2-52
276	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Corrosion (Salt/Salt Fog)Corrosive Atmosphere(Salt mist)/Salt Fog	IEC 60571
277	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Corrosion (Salt/Salt Fog)Corrosive Atmosphere(Salt mist)/Salt Fog	IS-9000 PART 11
278	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Corrosion (Salt/Salt Fog)Corrosive Atmosphere(Salt mist)/Salt Fog	ISO 1197-1
279	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Corrosion (Salt/Salt Fog)Corrosive Atmosphere(Salt mist)/Salt Fog	ISO 14993
280	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Corrosion (Salt/Salt Fog)Corrosive Atmosphere(Salt mist)/Salt Fog	JSS 50101 TEST NO.4
281	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Corrosion (Salt/Salt Fog)Corrosive Atmosphere(Salt mist)/Salt Fog	MIL-STD-202H
282	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Corrosion (Salt/Salt Fog)Corrosive Atmosphere(Salt mist)/Salt Fog	MIL-STD-810G METHOD 509.5
283	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Corrosion (Salt/Salt Fog)Corrosive Atmosphere(Salt mist)/Salt Fog	QM333
284	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Corrosion(Salt/Salt Fog)/Corrosive Atmosphere(Salt Mist)/Corrosion-Salt/Salt Mist Tes	JSS 0256.01 Test No.12

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	17 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
285	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Corrosion(Salt/Salt Fog)/Corrosive Atmosphere(Salt Mist)/Corrosion-Salt/Salt Mist Test	JSS 0256.01 Test No.12
286	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(Cyclic)	ASTM D4332
287	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(Cyclic)	CEI EN 50125-1
288	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(Cyclic)	CEI EN 50125-2
289	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(Cyclic)	CEI EN 50125-3
290	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(Cyclic)	IEC 60068-2-30
291	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(Cyclic)	IEC 60571
292	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(Cyclic)	IEC 62498-1
293	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(Cyclic)	IS 9000(PART NO.5/SEC 1 TO 2)
294	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(Cyclic)	JSS 1550-01
295	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(Cyclic)	MIL-HDBK-310
296	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(Cyclic)	MIL-STD-810G METHOD 507.6
297	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(Cyclic)	QM 333

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 18 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
298	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(steady state)	ASTM F1980
299	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(steady state)	IEC 61730-2(Clause 53)
300	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(steady state)	IEC 62093(Clause 11.13)
301	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(steady state)	IEC 62093(Clause 11.15)
302	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(steady state)	IEC 62108
303	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(steady state)	IEC 62108(Clause 10.7)
304	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(steady state)	ISO 11607
305	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Drop Test/ Toppling	ASTM D5276
306	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Drop Test/Toppling	IS 9000: 1981(RA2003) Part 7
307	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Drop Test/Toppling	JSS 55555 Test No.13
308	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Drop Test/Toppling	QM 333:March Test No 10
309	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Dry Heat/High Temperature	ASTM F2825
310	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Moisture Resistance	JSS 50101 TEST NO.6
311	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Moisture Resistance	MIL-STD-202H(METHOD 106)

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	19 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
312	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Moisture Resistance	MIL-STD-883K(METHOD1004.7)
313	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Mould Growth(Fungus)	IS -9000:1979 Part10
314	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Mould Growth(Fungus)	IS-9000 Part 10
315	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Mould Growth(Fungus)	JSS 50101 TEST NO.4
316	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Mould Growth(Fungus)	JSS 55555 Test No.21
317	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid Change of Temperature	IEC 60571
318	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid change of Temperature	IEC 60950(Clause 2.10.9)
319	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid change of Temperature	IEC 61215(Clause 10.11)
320	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid change of Temperature	IEC 61730-2(Clause 51)
321	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid change of Temperature	IEC 62108(Clause 10.6)
322	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid change of Temperature	IEC 62108(Clause 10.6)
323	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid Change of Temperature	IEC 62498-1
324	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid Change of Temperature	IS 9000(PART 14/SEC 1 TO 3)
325	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid Change of Temperature	JSS 1550-1

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	20 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
326	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid Change of Temperature	JSS 55555 TEST NO; 22
327	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid Change of Temperature	MIL-HDBK-310
328	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid Change of Temperature	MIL-STD-883K(METHOD 1010.9)
329	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Rapid Change of Temperature	QM 333
330	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Thermal Shock	IEC 60068-2-14
331	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Thermal Shock	IS 9000(PART NO.14/SEC 1 TO SEC 3)
332	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Thermal Shock	MIL-STD-331C(METHOD C7)
333	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Thermal Shock	MIL-STD-810G TMETHOD503.6
334	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Tropical Exposure	JSS 0256.01 TEST NO.4
335	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Tropical Exposure	QM 333
336	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellutar (Aerated) Concrete Blocks	Compressive Strength	IS-6441 (Part-5)
337	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellutar (Aerated) Concrete Blocks	Dimension	IS-2185 (Part- 3)
338	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellutar (Aerated) Concrete Blocks	Drying Shrinkage	IS-6441 (Part-2)
339	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellutar (Aerated) Concrete Blocks	Moisture Content	IS-6441 (Part-1)
340	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellutar (Aerated) Concrete Blocks	Bulk density	IS-6441 (Part-1)

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	21 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
341	MECHANICAL- BUILDINGS MATERIALS	Bricks(Burnt clay,Bricks,Pulverized Fuel,ash Lime Bricks)	Compressive strength	IS 3495(Part 1)
342	MECHANICAL- BUILDINGS MATERIALS	Bricks(Burnt clay,Bricks,Pulverized Fuel,ash Lime Bricks)	Dimension of Thickness	IS 12894
343	MECHANICAL- BUILDINGS MATERIALS	Bricks(Burnt clay,Bricks,Pulverized Fuel,ash Lime Bricks)	Dimensions (length & width)	IS 1077
344	MECHANICAL- BUILDINGS MATERIALS	Bricks(Burnt clay,Bricks,Pulverized Fuel,ash Lime Bricks)	Efflorescence	IS 3495(Part 3)
345	MECHANICAL- BUILDINGS MATERIALS	Bricks(Burnt clay,Bricks,Pulverized Fuel,ash Lime Bricks)	water absorption	IS 3495(Part 2)
346	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Compressive Strength	IS 4031 (Part-6)
347	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Consistency	IS 4031 (Part 4)
348	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Density	IS 4031 (Part- 11)
349	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Drying Shrinkage	IS 4031 (Part- 10)
350	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Final Setting Time	IS 4031 (Part-5)
351	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Fineness by dry sieving	IS 4031 (Part-1)
352	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Initial Setting Time	IS 4031 (Part 5)
353	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Soundness (Lechatelier)	IS 4031,(Part-3)
354	MECHANICAL- BUILDINGS MATERIALS	Chequerred cement concrete tiles	Dimensions	IS 13801
355	MECHANICAL- BUILDINGS MATERIALS	Chequerred cement concrete tiles	Water absorption	IS 13801
356	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Fine Value	IS 2386 (Part-4)
357	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Abrasion Value(Los Angeles Method)	IS 2386 (Part-4)
358	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part-3)
359	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS: 2386 (Part-4)

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 22 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
360	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	2386 (P-1)
361	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (P-1)
362	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS: 2386 (Part-4)
363	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Material Finer Than 75µm IS Sieve	IS 2386 (Part-1)
364	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (% Passing) 80mm to 4.75mm	IS 2386,(Part - 1)
365	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness	IS 2386 (Part-5)
366	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part-3)
367	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part-3)
368	MECHANICAL- BUILDINGS MATERIALS	Concrete	Flexural Strength	IS 516
369	MECHANICAL- BUILDINGS MATERIALS	Concrete	Workability by Slump Test	IS 1199
370	MECHANICAL- BUILDINGS MATERIALS	Concrete (Cubes,)	Compressive Strength	IS 516
371	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part-3)
372	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Clay Lumps	IS 2386 (Part 2)
373	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Coal and Lignite	IS 2386 (Part 2)
374	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer Than 75µm IS Sieve	IS 2386 (Part-1)
375	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Organic Impurities	IS 2386 (Part 2)
376	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis(4.75mm to 75µm)	IS 2386 (Part-1)
377	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Silt and Clay Content	IS 2386 (Part 2)
378	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness	IS 2386 (Part-5)

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	23 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
379	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part-3)
380	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part-3)
381	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid concrete blocks	Block density	IS 2185 (Part 1)
382	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid concrete blocks	Compression strength	IS 2185(Part 1)
383	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid concrete blocks	Dimensions	IS 2185 (Part 1)
384	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid concrete blocks	Drying Shrinkage	IS 2185(Part 1)
385	MECHANICAL- BUILDINGS MATERIALS	Hollow & solid concrete blocks	Water Absorption	IS 2185 (Part 1)
386	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658 (Annexure D)
387	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimensions	IS 15658 (Annexure B)
388	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Visual Inspection	IS 15658
389	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658 (Annex-C)
390	MECHANICAL- BUILDINGS MATERIALS	Pozzolana Material (Fly Ash)	Density	IS 1727
391	MECHANICAL- BUILDINGS MATERIALS	Pozzolana Material (Fly Ash)	Compressive strength	IS 1727
392	MECHANICAL- BUILDINGS MATERIALS	Pozzolana Material (Fly Ash)	Partial retained on 45 micron	IS 1727
393	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic Tiles)	Scratch hardness	IS 13630 (Part 13)
394	MECHANICAL- BUILDINGS MATERIALS	Tiles (Cement concrete flooring tiles)	Dimensions	IS 1237
395	MECHANICAL- BUILDINGS MATERIALS	Tiles (Cement concrete flooring tiles)	Water absorption	IS 1237
396	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic Tiles)	Chemical resistance	IS 13630(Part 7)

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 24 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
397	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bars & Wires	Dimensions (Length & Dia)	IS 1786 : 2008 RA
398	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cemented Carbides	Micro structure analysis	ASTM B657
399	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductor for electronic installations	Dimensions	IS 9537 (Part 2) : 1981 RA
400	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Drawn steel wire	Dimensions (Length & Dia)	IS 1785 (Part 1):1983 RA
401	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Drawn steel wire	Dimensions (Length & Dia)	IS 1785 (Part 2) : 1983 RA
402	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Product	Micro structure analysis	IS 7739 : 1975 RA
403	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys & Products	Adhesion Tape Test	ASTM D3359
404	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Adhesion Test	IS 2629 : 1985 RA
405	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Mass of Zinc coating	IS 6745:1972 RA
406	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Mass of Zinc coating	IS 10810-40,41:1984 RA
407	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials ,alloys & products	Macro structure Analysis	EN 1321
408	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials ,alloys & products	Uniformity of zinc coating	IS 2633 : 1986 RA
409	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Elongation	ASTM A370
410	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Elongation	ASTM E8/E8M

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 25 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
411	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Elongation	IS 1608 : 2005 RA
412	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Elongation	ISO 6892 (Part 1) : 2009
413	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% Proof Load Test	IS 1786 : 2008 RA
414	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% Proof Stress	ASTM A370
415	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% Proof Stress	ASTM E8/E8M
416	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% Proof Stress	IS 1608:2005 RA
417	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	0.2% Proof Stress	IS 1608:2005 RA
418	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% Proof Stress	ISO 6892(Part-1)
419	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	Area of the Strand	IS 6006
420	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Break Load Test (Bolts)	ASTM F606/606M
421	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Break Load Test (Bolts)	IS 12427: 2001 RA
422	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Break Load Test (Bolts)	IS 1367 (Part 3) 2002 RA
423	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Break Load Test (Bolts)	ISO 898 (Part 1) : 2009
424	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	Breaking Load	IS 14268

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-7379
Page No	26 of 63
Validity	15/09/2021 to 14/09/2023
Last Amended on	16/05/2023

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
425	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	Breaking Load	IS 6006
426	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness	ISO 6506 (Part 1) : 2005 RA
427	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness Test	ASTM E10
428	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness Test	ASTM E10
429	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness Test	IS 1500 (Part 1):2005 RA
430	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness Test	IS 1500 (Part 1):2005 RA
431	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness Test	ISO 6506 (Part 1) : 2005 RA
432	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact Test (+100 degree centigrade to -196 degree centigrade)	ASTM E23
433	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact Test (+100 degree centigrade to -196 degree centigrade)	IS 1499:1977 RA
434	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact Test (+100 degree centigrade to -196 degree centigrade)	IS 1757:1988 RA
435	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Decarburization depth by microscope method	ASTM E1077
436	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Drift Expanding Test	IS 2335 : 2005 RA
437	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elastic Modulus	ASTM E111
438	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	Elongation	IS 14268:1995 RA

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	27 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
439	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	Elongation	IS 16172
440	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	Elongation	IS 6006
441	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elongation @ Elevated Temperature	ASTM A447/447M
442	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elongation @ Elevated Temperature	ASTM E21
443	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elongation @ Elevated Temperature	ISO 6892(Part-2)
444	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Flattening Test	ASTM A530/530M
445	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	Intergranular Corrosion Test-IGC(Practice A, E)	ASTM A262
446	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Izod Impact Test (+100 degree centigrade to -196 degree centigrade)	ASTM E23
447	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Izod Impact Test (+100 degree centigrade to -196 degree centigrade)	IS 1598:1977 RA
448	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	Lay Length of the Strand	IS 6006
449	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	Mass of Strand	IS 6006
450	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Mass per meter	IS 1786 : 2008 RA
451	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Micro Vickers Hardness	ISO 6507 (Part 1)
452	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Micro vickers Hardness Test	ASTM E384

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	28 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
453	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Micro Vickers Hardness Test	ASTM E384
454	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Micro Vickers Hardness Test	ASTM E384
455	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Micro Vickers Hardness Test	ASTM E384
456	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Micro Vickers Hardness Test	ASTM E384
457	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Micro Vickers Hardness Test	IS 1501 (Part 1) : 2013 RA
458	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Micro Vickers Hardness Test	IS 1501 (Part 1) : 2013 RA
459	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Micro Vickers Hardness Test	IS 1501 (Part 1) : 2013 RA
460	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Micro Vickers Hardness Test	IS 1501 (Part 1) : 2013 RA
461	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Micro Vickers Hardness Test	IS 1501 (Part 1) : 2013 RA
462	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Micro Vickers Hardness Test	ISO 6507 (Part 1) :
463	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Micro Vickers Hardness Test	ISO 6507 (Part 1) : 2005 RA
464	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Micro Vickers Hardness Test	ISO 6507 (Part 1) : 2005 RA
465	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Micro Vickers Hardness Test	ISO 6507 (Part 1) : 2005 RA
466	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	Nominal Dia of the Strand	IS 6006

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	29 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
467	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Proof Load Test	ASTM F606/606M
468	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Proof Load Test	IS 1367 (Part 3) 2002 RA
469	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	Proof Load Test	IS 14268:1995 RA
470	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	Proof Load Test	IS 6006
471	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Proof Load Test	ISO 898 (Part 1) : 2009 RA
472	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Proof Load Test (Bolts)	IS 12427 : 2001 RA
473	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Proof Load Test (Nuts)	ASTM F606/606M
474	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Proof Load Test (Nuts)	IS 1367 (Part 6) : 1994 RA
475	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Proof Load Test (Nuts)	IS 14394 : 1996 RA
476	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Proof Load Test (Nuts)	ISO 898 (Part 2) : 1992 RA
477	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Reduction Area	ASTM A370
478	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Reduction Area	ASTM E8/E8M
479	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Reduction Area	IS 1608:2005 RA
480	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Reduction Area	ISO 6892 (Part 1) : 2009 RA

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-7379
Page No	30 of 63
Validity	15/09/2021 to 14/09/2023
Last Amended on	16/05/2023

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
481	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Reduction in Area @ Elevated Temperature	ASTM A447/447M
482	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Reduction in Area @ Elevated Temperature	ISO 6892(Part-2)
483	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Reduction in Area@ Elevated Temperature	ASTM E21
484	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test	ASTM E18
485	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test	ASTM E18
486	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test	IS 1586 (Part 1)
487	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test	IS 1586 (Part 1)
488	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	Salt Spray Test	ASTM B117
489	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	Surface Roughness Test	ISO 25178
490	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test	ASTM A370
491	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test	ASTM E8/E8M
492	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test	IS 1608:2005 RA
493	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test	IS 1608:2005 RA
494	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test	ISO 6892(Part-1)

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 31 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
495	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength	ASTM A370
496	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength	ASTM E8/E8M
497	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength	IS 1608:2005 RA
498	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	Ultimate Tensile Strength	IS 16172
499	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength	ISO 6892 (Part 1) : 2009 RA
500	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength @ Elevated Temperature	ASTM A447/447M
501	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength @ Elevated Temperature	ASTM E21
502	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength @ Elevated Temperature	ISO 6892(Part-2)
503	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vicker's Hardness Test	ASTM E92
504	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vicker's Hardness Test	ASTM E92
505	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vicker's Hardness Test	ASTM E92
506	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vicker's Hardness Test	ASTM E92
507	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vicker's Hardness Test	IS 1501 (Part 1) : 2013 RA
508	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vicker's Hardness Test	IS 1501 (Part 1) : 2013 RA

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 32 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
509	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vicker's Hardness Test	IS 1501 (Part 1) : 2013 RA
510	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vicker's Hardness Test	IS 1501 (Part 1) : 2013 RA
511	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vicker's Hardness Test	ISO 6507 (Part 1) : 2005
512	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vicker's Hardness Test	ISO 6507 (Part 1) : 2005 RA
513	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vicker's Hardness Test	ISO 6507 (Part 1) : 2005 RA
514	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vicker's Hardness Test	ISO 6507 (Part 1) : 2005 RA
515	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength @ Elevated Temperature	ASTM A447/447M
516	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength @ Elevated temperature	ASTM E21
517	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Stress	ASTM A370
518	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Stress	ASTM E8/E8M
519	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Stress	IS 1608:2005 RA
520	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Stress	ISO 6892 (Part 1) : 2009 RA
521	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Stress @ Elevated Temperature	ISO 6892(Part-2)
522	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Portable hardness test	ASTM E110

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 33 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
523	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Portable hardness test	ASTM E110
524	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Rebend Test	IS 1786 : 2008 RA
525	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys& materials	Plating thickness by microscopic method	IS 1573 : 1986 RA
526	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals and Alloys	Coating thickness	IS 3203
527	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS METALS AND ALLOYS	DEGREE OF BANDING OR ORENTATION	ASTM E 1268
528	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals, alloys & products	Bend Test	IS 2329 : 2005
529	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrousmeterials, alloys& products	surface roughness	IS 3073:1967 RA
530	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow steel	Mass	IS 4923
531	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow steels	Dimensions (Length,Dia,Width & Thickness)	IS 4923
532	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bar (TMT Bar)	% Elongation	IS 1786 : 2008 RA
533	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bar (TMT Bar)	Ultimate Tensile Strength	IS 1786 : 2008 RA
534	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bar (TMT Bar)	Yield Stress	IS 1786 : 2008 RA
535	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Coatings	Salt Spray Test	ASTM B117
536	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials- Tubes/Pipes	Flattening	ASTM A370

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	34 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
537	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials- Tubes/Pipes	Flattening	IS 2328
538	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials-Tubes/Pipes	Flattening	ASTM A370
539	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials-Tubes/Pipes	Flattening	IS 2328
540	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous material	anodic coating thickness	IS 5523:2015
541	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous material	Anodic Coating Thickness	IS 5523:2015
542	MECHANICAL-MECHANICAL PROPERTIES OF METALS	NON FERROUS MATERIALS	MACROSTRUCTURE	ASM VOL 9
543	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous metals, alloys & products	Bend Test	ASTM E190
544	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous metals, alloys & products	Bend Test	ASTM E290
545	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous metals, alloys & products	Bend Test	IS 1599 : 2012 RA
546	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Brinell Hardness	ASTM E10
547	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Brinell Hardness	ISO 6506(Part-1)
548	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Brinell Hardness Test	IS 1500 (Part 1)
549	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Micro Vickers Hardness Test	ASTM E384
550	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Rockwell Hardness Test	ASTM E18

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 35 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
551	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Rockwell Hardness Test	IS 1586 (Part 1)
552	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Vicker's Hardness Test	ASTM E92
553	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Vicker's Hardness Test	IS 1501 (Part 1) : 2013 RA
554	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous materials, alloys & products	Vicker's Hardness Test	ISO 6507 (Part 1) : 2005 RA
555	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	% Elongation	ASTM E8/E8M
556	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Reduction Area	ASTM E8/E8M
557	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Tensile Test	ASTM E8/E8M
558	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Ultimate Tensile Strength	ASTM E8/E8M
559	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals, alloys & products	Yield Stress	ASTM E8/E8M
560	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non Ferrous materials, alloys & products	Vicker's Hardness Test	ASTM E92
561	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	0.2% Proof Stress	ASTM B557
562	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	0.2% Proof Stress	ASTM E8/E8M
563	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	0.2% Proof Stress	IS 1608:2005 RA
564	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Brinell Hardness Test	ASTM E10

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	36 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
565	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Brinell Hardness Test	IS 1500 (Part 1):2005 RA
566	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Brinell Hardness Test	ISO 6506 (Part 1) : 2005 RA
567	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Drift Expanding Test	IS 2335 : 2005 RA
568	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Elongation @ Elevated Temperature	ASTM E21
569	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Elongation @ Elevated Temperature	ISO 6892 (Part 2) : 2011 RA
570	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Micro Vickers Hardness	ASTM E384
571	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Micro Vickers Hardness	ASTM E384
572	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Micro Vickers Hardness Test	ASTM E384
573	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Micro Vickers Hardness Test	IS 1501 (Part 1)
574	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Micro Vickers Hardness Test	IS 1501 (Part 1)
575	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Micro Vickers Hardness Test	IS 1501 (Part 1) :
576	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Micro Vickers Hardness Test	IS 1501 (Part 1) : 2013 RA
577	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Micro Vickers Hardness Test	IS 1501 (Part 1) : 2013 RA
578	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Micro Vickers Hardness Test	ISO 6507 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	37 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
579	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Micro Vickers Hardness Test	ISO 6507 (Part 1)
580	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Micro Vickers Hardness Test	ISO 6507 (Part 1)
581	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Micro Vickers Hardness Test	ISO 6507 (Part 1) :
582	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Micro Vickers Hardness Test	ISO 6507 (Part 1) :
583	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Reduction in Area @ Elevated Temperature	ASTM E21
584	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Reduction in Area@ Elevated Temperature	ISO 6892(Part-2) : 2011 RA
585	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & Products	Salt Spray Test	ASTM B117
586	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Ultimate Tensile Strength @ Elevated Temperature	ISO 6892 (Part-2) : 2011 RA
587	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Vicker's Hardness Test	ASTM E92
588	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Vicker's Hardness Test	IS 1501 (Part 1) : 2013 RA
589	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Vicker's Hardness Test	IS 1501 (Part 1) : 2013 RA
590	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Vicker's Hardness Test	IS 1501 (Part 1) : 2013 RA
591	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Vicker's Hardness Test	ISO 6507 (Part 1) : 2005 RA
592	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Vicker's Hardness Test	ISO 6507 (Part 1) : 2005 RA

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	38 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
593	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Vicker's Hardness Test	ISO 6507 (Part 1) : 2005 RA
594	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Yield Strength@ Elevated Temperature	ASTM E21
595	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Yield Stress@ Elevated Temperature	ISO 6892 (Part 2) : 2011 RA
596	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	0.2% Proof Stress	ASTM B557
597	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Bend Test	ASTM E190
598	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Bend Test	ASTM E290
599	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Bend Test	IS 1599 : 2012 RA
600	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Bend Test	IS 2329 : 2005 RA
601	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Charpy Impact Test (+100 degree centigrade to -196 degree centigrade)	ASTM E23
602	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Charpy Impact Test (+100 degree centigrade to -196 degree centigrade)	IS 1499 : 1977 RA
603	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Charpy Impact Test (+100 degree centigrade to -196 degree centigrade)	IS 1757 (Part 1)
604	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Elastic Modulus	ASTM E111
605	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Elongation	ASTM B557
606	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Elongation	IS 1608 - 2005

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	39 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
607	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Izod Impact Test (+100 degree centigrade to -196 degree centigrade)	ASTM E23
608	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Izod Impact Test (+100 degree centigrade to -196 degree centigrade)	IS 1598 : 1977 RA
609	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Reduction in area	ASTM B557
610	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Reduction in Area	IS 1608 -2005 RA
611	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Ultimate Tensile Strength	ASTM B557
612	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Ultimate Tensile Strength	IS 1608:2005 RA
613	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Ultimate Tensile Strength @ Elevated Temperature	ASTM E21
614	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Yield Stress	IS 1608:2005 RA
615	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non=Ferrous materials, alloys & products	Vicker's Hardness Test	ASTM E92
616	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other-Non Ferrous materials, alloys & products	Micro Vickers Hardness	ASTM E384
617	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Shear Strength of Single-Lap-Joint Adhesively Bonded Metal	METAL TO METAL	ASTM D1002-10
618	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEI-I TUBES, TUBULARS AND OTHER WROUGHT STEEL FITTINGS	Dimensions (Length, Outer Dia & inner dia)	IS 1239 (Part 1) : 2004 RA
619	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Bars and Wires	Mass	IS 1786 : 2008 RA
620	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel pipes	Dimensions (Length, Outer Dia, & Inner Dia)	IS 3589 : 2001 RA

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	40 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
621	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipes	Mass	IS 3589 : 2001 RA
622	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Rods	Dimensions (Length & Dia)	IS 2062 : 2011 RA
623	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Dimensions (Length, Outer Dia & Inner Dia)	IS 1161
624	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Dimensions (Length, Outer Dia & Inner Dia)	IS 3601 : 2006 RA
625	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Dimensions (Length, Outer Dia & Inner Dia)	IS 4270 : 2001 RA
626	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Mass	IS 1161
627	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Mass	IS 1239 (Part 1) : 2004 RA
628	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Mass	IS 3601 : 2006 RA
629	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Mass	IS 4270 : 2001 RA
630	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Mass	IS 2062 : 2011 RA
631	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes	Dimensions (Length,Outer Dia,Inner Dia)	IS 778: 1984 RA
632	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	0.2% Proof Stress	API 1104
633	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	0.2% Proof Stress	ASME SEC-II(Part-C)
634	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	0.2% Proof Stress	ASME SEC-IX

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 41 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
635	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	0.2% Proof Stress	AWS D1.1
636	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	0.2% Proof Stress	EN 15614
637	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	0.2% Proof Stress	IBR
638	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	0.2% Proof Stress	IS 3589
639	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	0.2% Proof Stress	IS 814
640	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test (Root bend,Face bend, Side bend)	ASME SEC-IX
641	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test (Root bend,Face bend, Side bend)	IBR
642	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test(Face bend, Root bend, Side bend)	EN 15614
643	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test(Root bend, Face bend, Side bend)	API 1104
644	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test(Root bend,Face bend, Side bend)	AWS D1.1
645	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test(Root bend,Face bend, Side bend)	IS 3589 : 2001 RA
646	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test(Root bend,Face bend, Side bend)	IS 814
647	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test(Root bend,Face bend,Side bend)	IS 2825
648	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Charpy Impact Test (+100 degree centigrade to -196 degree centigrade)	API 1104

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 42 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
649	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Charpy Impact Test (+100 degree centigrade to -196 degree centigrade)	ASME SEC-IX
650	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Charpy Impact Test (+100 degree centigrade to -196 degree centigrade)	AWS D 1.1
651	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Charpy Impact Test (+100 degree centigrade to -196 degree centigrade)	EN 15614
652	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Charpy Impact Test (+100 degree centigrade to -196 degree centigrade)	IBR
653	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Charpy Impact Test (+100 degree centigrade to -196 degree centigrade)	IS 3589
654	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Charpy Impact Test (+100 degree centigrade to -196 degree centigrade)	IS 814
655	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Elongation	API 1104
656	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Elongation	ASME SEC-II(Part-C)
657	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Elongation	ASME SEC-IX
658	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Elongation	AWS D 1.1
659	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Elongation	EN 15614
660	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Elongation	IBR
661	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Elongation	IS 2825
662	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Elongation	IS 3589

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	43 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
663	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Elongation	IS 814
664	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Izod Impact Test (+100 degree centigrade to -196 degree centigrade)	API 1104
665	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Izod Impact Test (+100 degree centigrade to -196 degree centigrade)	ASME SEC-IX
666	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Izod Impact Test (+100 degree centigrade to -196 degree centigrade)	AWS D 1.1
667	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Izod Impact Test (+100 degree centigrade to -196 degree centigrade)	EN 15614
668	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Izod Impact Test (+100 degree centigrade to -196 degree centigrade)	IBR
669	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Izod Impact Test (+100 degree centigrade to -196 degree centigrade)	IS 814
670	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Nick Break Test	EN 15614
671	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Nick Break Test	IBR
672	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Nick Break Test	IS 2825
673	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Reduction in Area	API 1104
674	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Reduction in Area	ASME SEC-II(Part-C)
675	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Reduction in Area	EN 15614
676	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Reduction in Area	IBR

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-7379
Page No	44 of 63
Validity	15/09/2021 to 14/09/2023
Last Amended on	16/05/2023

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
677	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Reduction in Area	IBR
678	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Ultimate Tensile Strength	API 1104
679	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Ultimate Tensile Strength	ASME SEC-II(Part-C)
680	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Ultimate Tensile Strength	AWS D 1.1
681	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Ultimate Tensile Strength	EN 15614
682	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Ultimate Tensile Strength	IBR
683	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Ultimate Tensile Strength	IS 2825
684	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Ultimate Tensile Strength	IS 3589
685	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Ultimate Tensile Strenth	ASME SEC-IX
686	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Ultimate Tensile Strenth	IS 814
687	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Yield Stress	API 1104
688	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Yield Stress	ASME SEC-II(Part-C)
689	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Yield Stress	ASME SEC-IX
690	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Yield Stress	AWS D 1.1

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	45 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
691	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Yield Stress	EN 15614
692	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Yield Stress	IBR
693	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Yield Stress	IS 2825 : 1969
694	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Yield Stress	IS 3589
695	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Yield Stress	IS 814
696	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds @ welded test specimens	Nick Break Test	ASME Sec IX
697	MECHANICAL-METALLOGRAPHY TEST	non Ferrous materials ,alloys & products	macro structure analysis	IS 11371 : 1991 RA
698	MECHANICAL-METALLOGRAPHY TEST	aluminium materials ,alloys & Products	alcald Diffusion Test	STL/SOP/METL/05
699	MECHANICAL-METALLOGRAPHY TEST	aluminium materials, alloys & products	Inter granular corrosion test by microscopic method	STL/SOP/METL/04
700	MECHANICAL-METALLOGRAPHY TEST	Carbon & Alloy Steels	Grain Size	ASTM E112
701	MECHANICAL-METALLOGRAPHY TEST	Carbon & Alloy Steels	Grain Size	IS 4748 : 2009
702	MECHANICAL-METALLOGRAPHY TEST	Carbon & Alloy Steels	Grain Size by Linear Intercept Method	ASTM E 112
703	MECHANICAL-METALLOGRAPHY TEST	Carbon & Alloy Steels	Microstructure	ASM Handbook Volume-9
704	MECHANICAL-METALLOGRAPHY TEST	Carbon & Alloy Steels	Microstructure	ASTM A247
705	MECHANICAL-METALLOGRAPHY TEST	Carbon and alloy steels	Degree of banding or orientation	ASTM E1268
706	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Graphite Flake-Type, Size & Distribution	ASTM A247
707	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Graphite Flake-Type, Size & Distribution	IS 7754 : 1975 RA

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	46 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
708	MECHANICAL-METALLOGRAPHY TEST	Ferrous - Metal & Alloys	Macro structure	IS 13015 : 1991 RA
709	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials ,alloys & products	Macro structure analysis	ASTM A604
710	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials ,alloys & products	macro structure analysis	IBR 2019
711	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials ,alloys & products	Macro structure analysis	IS 11371 : 1985 RA
712	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Non metallic Inclusion Rating	ASTM E45
713	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys& products	Macrostructure	ASTM E340
714	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials,alloy & Products	Metal and oxide coating thickness	ASTM B487
715	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials,alloys & Products	Anodic coating thickness by microscopic method	IS 5523 : 1983 RA
716	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials,alloys & products	macro structure analysis	ASTM E381
717	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials,alloys & Products	Mico structure analysis by using SEM	ASM vol 10
718	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials,alloys & Products	Micro structure analysis by using SEM	ASM vol 10
719	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials,alloys& Products	Non metallic Inclusion Rating	IS 4163 : 2014 RA
720	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Case depth(by Microscope)	IS 6416 : 1988 RA
721	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Case depth(by Microscope)	IS 6416 : 1988 RA
722	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Decarburization depth(by Microscope)	IS 6396 : 2000 RA
723	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Decarburization depth(by Microscope)	IS 6396 : 2000 RA
724	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals @ Alloys	Delta Ferrite	ASTM E562-19e1@AMS 2315
725	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals @Alloys	Microstructure	ASTM E562-19e1
726	MECHANICAL-METALLOGRAPHY TEST	ferrous metals and Alloys	Degree of banding or Orientation	ASTM E1268

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	47 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
727	MECHANICAL-METALLOGRAPHY TEST	materials	SEM,EDAX,failure analysis	ASM vol 10& 11
728	MECHANICAL-METALLOGRAPHY TEST	metal powders & sintered products	Characterization of metal powders & Sintered products by using SEM	ASM vol 10
729	MECHANICAL-METALLOGRAPHY TEST	Metallic Coatings on Ferrous materials, alloys & products	Coating Thickness(by Microscope)	IS 3203 : 1982 RA
730	MECHANICAL-METALLOGRAPHY TEST	Metallic Coatings on Ferrous materials, alloys & products	Coating Thickness(by Microscope)	IS 3203 : 1982 RA
731	MECHANICAL-METALLOGRAPHY TEST	metals	Charcterization of metal powders & Thin films By Using X-RD Techniques	Elements of x-ray difraction 3rd edition by BD Culity
732	MECHANICAL-METALLOGRAPHY TEST	Metals and Alloys	Macrostructure	ASTM E340
733	MECHANICAL-METALLOGRAPHY TEST	Non ferrous material	Macro Structure	Metals Hand book(Atlas of Micro structures of Industriial alloys)
734	MECHANICAL-METALLOGRAPHY TEST	Non ferrous material	Macrostructure	ASM Vol 9
735	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous material	Microstructure	ASM Vol 9
736	MECHANICAL-METALLOGRAPHY TEST	Non ferrous materials & alloys	macro structure analysis	ASTM E381
737	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Materials & Products	Macrostructure	ASM Vol 9
738	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Materials & Products	Microstructure	ASM Vol 9
739	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous materials ,alloys & products	macro structure analysis	ASTM A604
740	MECHANICAL-METALLOGRAPHY TEST	Non ferrous Metals	Micro Structure	Metals Hand book(Atlas of Micro structures of Industriial alloys)
741	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous metals alloys & products	Micro structure analysis by using SEM	ASM vol 10
742	MECHANICAL-METALLOGRAPHY TEST	Non-Ferrous metals, alloys & products	Macrostructure	ASTM E340
743	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded test specimens	Macrostructure	ASTM E340

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	48 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
744	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Concentrated Impacts to Transport Packages	DROP TEST	ASTM D6344
745	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Determining the Effects of High Altitude on Packaging Systems by Vacuum Method	HIGH ALTITUDE ON PACKAGING	ASTM D6653
746	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Drop Test of Loaded Containers by Free Fall	DROP TEST	ASTM D5276
747	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Evaluating Load Containment Performance of Stretch Wrap Films by Vibration Testing	ENVIRONMENTAL TEST	ASTM D5415
748	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Molded Polyethylene Open-Head-Pails for Industrial Shipping of Nonhazardous Goods	ENVIRONMENTAL TEST	ASTM D4504
749	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Programmable Horizontal Impact Test for Shipping Containers and Systems	HORIZONTAL IMPACT TEST	ASTM D4003
750	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Random Vibration Testing of Shipping Containers	SHOCK TEST	ASTM D4728
751	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Shipping Containers and Systems	SHOCK	ASTM D880
752	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Vibration Testing of Intermediate Bulk Containers (IBCs) Used for Shipping Liquid Hazardous Materials (Dangerous Goods)	VIBRATION TEST	ASTM D7387
753	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Climatic Stressing of Packaging Systems for Single Parcel Delivery	THERMAL CYCLIC	ASTM F2825
754	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Conditioning Containers, Packages, or Packaging Components for Testing	TEMPERATURE&HUMIDITY TEST	ASTM D4332
755	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Corrugated fibre board boxes and wooden boxes	Combined internal dimensions	IS 2771 Part1
756	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Corrugated fibre board boxes and wooden boxes	Compression strength	IS 7028 Part 6
757	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Determination of Leaks in Flexible Packaging by Bubble	leak test	ASTM D3078

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	49 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
758	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Determination of Leaks in Flexible Packaging by Bubble Emission	FLEXIBLE LEAK TEST	ASTM D3078
759	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Determining Integrity of Seals for Flexible Packaging	visual inspection	ASTM F1886
760	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Determining Spray Patterns of Mechanical Pump Dispensers	VIBRATION TEST	ASTM D4041
761	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Dynamic Shock Cushioning Characteristics of Packaging Material	DYNAMIC SHOCK	ASTM D1596
762	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Environmental Stress-Cracking of Ethylene Plastics	ENVIRONMEMTAL TEST	ASTM D1693
763	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Evaluation of Horizontal Impact Performance of Load Unitizing Stretch Wrap Films	DROP TEST	ASTM D5414
764	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Leakage Testing of Empty Rigid Containers by Vacuum	leak test	ASTM D4991
765	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Loaded Containers	Drop test	ASTM D5276
766	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Packaging — Complete, filled transport packages and unit loads — Conditioning for testing	THERMAL TEST	ISO 2233
767	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Packaging for terminally sterilized medical devices — Part 1: Requirements for materials, sterile barrier systems and packaging systems	BUBBLE TEST	ISO 11607
768	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Pallets and Related Structures Employed in Materials	Compression test	ASTM D1185
769	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Pallets and Related Structures Employed in Materials	Impact resistance	ASTM D1185
770	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Performance Testing of Shipping Containers and Systems	ENVIRONMENTAL TEST	ASTM D4169
771	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Performing Programmed Horizontal Impacts	Inclined IMPACT TEST	ASTM D5277

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	50 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
772	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Rough Handling of Unitized Loads and Large Shipping Cases and Crates	rotation edge test	ASTM D6179
773	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Rough Handling of Unitized Loads and Large Shipping Cases and Crates	ROTATION EDGE TEST/TIP TEST	ASTM D6179
774	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Shipping Containers and Systems	HORIZANTAL IMPACT TEST	ASTM D4003
775	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Shipping Containers and Systems	Rotational Impact	ASTM D880
776	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Shipping Containers, Components, and Unit Loads	Compression test	ASTM D642
777	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Thermal Insulation Performance of Distribution Packages	DISTRIBUTION PACKAGES	ASTM D3103
778	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Thermal Insulation Performance of Distribution Packages	RANDOM VIBRATION	ASTM D3580
779	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Vibration (Horizontal Linear Motion) Test of Products	ENVIRONMENTAL TEST	ASTM D5112
780	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Vibration Testing of Shipping Containers	VIBRATION TEST	ASTM D999
781	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Wet Ashing Procedure for Preparing Wood Samples for Inorganic Chemical Analysis	RANDOM VIBRATION	ASTM D4278
782	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Blow Moulded Plastics containers	Drop Test	IS2798
783	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Blow Moulded Plastics containers	Thickness	IS2798
784	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Corrugated fiber board boxes and wooden boxes	Dimension	IS11652
785	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Flexible Barrier Materials	Seal Strength	ASTM F88
786	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Flexible Barrier Materials	Bursting Strength	ASTM F2054

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	51 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
787	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Flexible Barrier Materials	Internal Pressurization Failure Resistance	ASTM F1140
788	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Bags Geomembranes	Breaking Load	IS1969
789	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Bags Geomembranes	Dimension	IS1954
790	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Bags Geomembranes	Mass	IS1964
791	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Integrity of Seals for Flexible Packaging	Visual Inspection	ASTM D6252
792	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	LOW DENSITY POLYETHYLENE FILMS	Tensile strength	IS 2508
793	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	LOW DENSITY POLYETHYLENE FILMS	Thickness	IS 2508
794	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Metal drum	Dimension	IS 1783 Part1
795	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Packing material	bubble test	ASTM F2096
796	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Packing material	Bursting Strength	ISO11607-1, and ISO2758
797	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Packing Pouch	bubble test	ASTM E515
798	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Packing Pouch	Bursting Strength	ASTM F2054
799	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Packing Pouch	Internal Pressurization Failure Resistance	ASTM F1140
800	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Packing sterile barrier system	Leakage Test	ISO 11607
801	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Paper, Paper board Corrugated fibre board boxes	Mass of coating	IS3450, and ASTM D 3521
802	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Paper, Paper board Corrugated fibre board boxes	Tensile strength and elongation	IS1060 Part 1
803	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic feeding Bottle	Dimension of Neck	IS14625
804	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic feeding Bottle	Drop test	IS14625
805	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic feeding Bottle	Leakage test	IS14625

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 52 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
806	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Material	Shore D Hardness	ASTM D 2240
807	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	plastic materials	Tensile Properties of Polymer Matrix Composite Materials	ASTM D3039
808	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	plastic materials	elongation	ASTM D 638
809	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	plastic materials	melt flow index	ASTM D 1238
810	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	plastic materials	temperature deflection under load	IS 13360 (Part 6) : Sec 3
811	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	plastic materials	tensile strength	ASTM D 638
812	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Melting point by Differential Scanning Calorimeter(DSC)	ASTM D3418
813	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Polymer Identification by FTIR	ASTM E1252
814	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	plastic materials & products	Tensile Modulus	IS 13360(part 5): sec 1
815	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Thermal Gravimetric Analysis(TGA)	ASTM E1131
816	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	plastic materials & products	vicat softening temperature	IS 13360-6,Sec-1
817	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Pallet	Corner drop test	IS6219
818	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	plastic Products	compressive strength	ISO 604 : 1993 RA
819	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	plastic Products	density	ASTM D 792
820	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	plastic Products	density	IS 13360 (part 3) : Sec-1 : 1995 RA
821	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	plastic Products	elongation	IS 13360 (Part 5) : Sec-1
822	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Products	Flextural properties	ASTM D790
823	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	plastic Products	Flexural properties	IS 13360 (part 5):sec-7
824	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Products	Flexural strength	ASTM D 790

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 53 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
825	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Products	Micro Structure Examination	ASTM E2015
826	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	plastic products	reversion test	IS 12235 (Part 5) : 2004 RA:
827	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	plastic Products	temperature deflection under load	ASTM D648
828	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	plastic products	tensile strength	IS 13360 (Part 5) : Sec 1
829	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Products	Tensile strength	IS 13360 (Part 5) : Sec-1
830	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Products	Tensile strength	IS 13360 (Part 5) : Sec-7
831	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	plastic Products	Water absorption	IS 13360 (Part 8),Sec-1
832	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics & Rubber ,Plastic Allied Materials	Drop test	IS 15609
833	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	POLYETHYLENE FLEXIBLE POUCHES	Ink adhesion test	IS 15609
834	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	POLYETHYLENE FLEXIBLE POUCHES	Water potability test	IS 15609
835	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Matrix Composite Materials and Their Laminates	Short-Beam Strength	ASTM D2344/D2344M
836	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Pressure-Sensitive Label Stocks	Adhesion test	ASTM D6252
837	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Pressure-Sensitive Label Stocks	peel adhesion test	ASTM D6252
838	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	pressure sensitive adhesive tape	Adhesion strength of pressure sensitive adhesive tape to self	IS8402
839	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PVC Membrane	Elongation at break	BS EN 12311-2
840	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PVC Membrane	Elongation at break	ISO:527-3
841	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PVC Membrane	Tear Resistance	BS EN 12310-2
842	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PVC Membrane	Tear Resistance	DIN 53363
843	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PVC Membrane	Tensile strength	BS EN 12311(part 2)

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 54 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
844	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PVC Membrane	Tensile strength	ISO 527(part 3):1995 RA
845	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PVC Membrane	thickness	DIN 53370
846	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PVC pipe	Compressive strength	ASTM D695
847	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Thermoplastics pipes and Fittings	dimensions	IS:12235 (Part 1) : 2004 RA
848	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Tin containers	Salt spray test	ASTMB117
849	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Tin containers	Tin coating	IS1327
850	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber and Rubber products	Elongation	ASTM D 412
851	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Product	shore -A Hardness	ASTM D2240
852	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber products	Accelerated ageing	IS 3400-4
853	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber products	Accelerated ageing	ISO 188
854	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber products	Change in Tensile strength	ISO 1817
855	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Products	Compression set	ASTM D 395
856	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber products	Compression set	IS 3400-10:
857	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber products	Density	IS 3400-9
858	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Products	Density	ASTM D 297
859	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber products	elongation	IS 3400-1
860	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber products	Elongation	ISO 37
861	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber products	Flammability	IS 13360-6,Sec-5
862	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Products	Low Temperature Bend Test	ASTM D 2136

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	55 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
863	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Products	Shore A Hardness	ASTM D2240
864	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber products	Shore A Hardness	IS 3400-23
865	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber products	Tear Strength	IS 3400-17
866	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber products	Tensile strength	ASTM D412
867	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber products	Tensile strength	IS 3400-1
868	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber products	tensile strength	iso 37
869	MECHANICAL- SOIL AND ROCK	Clays & Soils	Free Swell Index	IS 2720(Part-40)
870	MECHANICAL- SOIL AND ROCK	Clays & Soils	Moisture Content	IS 2720(Part-9)
871	MECHANICAL- SOIL AND ROCK	Marble / Granite	Module of rupture	ASTM c99
872	MECHANICAL- SOIL AND ROCK	Marble / Granite	Water absorption	IS 1124
873	MECHANICAL- SOIL AND ROCK	Marble/granite	App porosity	IS 1124
874	MECHANICAL- SOIL AND ROCK	marble/granite	Compression strength	IS 1121
875	MECHANICAL- SOIL AND ROCK	Marble/granite	Hardness mohs scale	IS 13630
876	MECHANICAL- SOIL AND ROCK	Marble/granite	moisture content	IS 1124
877	MECHANICAL- SOIL AND ROCK	marble/granite	Specific gravity	IS 1122
878	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis/Particle Size	IS 2720(Part-4)
879	MECHANICAL- WOOD AND WOOD PRODUCTS	ply wood	Density	IS 1734-1
880	MECHANICAL- WOOD AND WOOD PRODUCTS	Ply wood	Moisture	IS 1734-1
881	MECHANICAL- WOOD AND WOOD PRODUCTS	Timber	moisture content	IS 1708-1

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	56 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
882	MECHANICAL- WOOD AND WOOD PRODUCTS	Timber Wood	Specific gravity	IS 1708-2

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 57 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
LOCATION 2 - PLOT NO 49 SY NO 303/3, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA Permanent Facility				
1	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Degrees of Protection	IEC/IS 60529:2001(IPX6): 2001
2	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Driving Rain/Rain	JSS 55555-2012 Test No 12 JSS 0256.01:1992 Test No 7 IS-9000:1983 part 16 QM 333 :March 2010 Test No 14: 2012
3	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Dust	JSS 55555-2012 Test No 14 IS-9000:1981 part 12 JSS 50101:1996(RA 2001) Test No 8 JSS 0256.01:1992 Test No 9 QM 333:March 2010 Test No 15: 2012
4	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Impact(Shock)/Shock	JSS 55555:2012 Test No 24 JSS 0256.01:1992 Test No 18 IEC 60068-2-27:2008 IEC 60571:1998 subclause 10.2.11 IEC 61373 clause 5.6.9 QM 333:March 2010 MIL STD 810G: 2014 Method.516.7 IS 9000: 1981 (RA2003) Part 7: 2014
5	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Vibration(Sine/Random)	JSS 55555:2012 Test No 28 JSS 50101:1996(RA 2001) TEST NO 23 & 24 JSS 0256.01:1992 Test No 15 IEC 60068-2-6:2007 IEC 60068-2-55:2013 IEC 60571:1998 subclause 10.2.11 IEC 61373 clause 5.6.9 QM 333: March 2010 Test No 6 MIL STD 810G:2014 Method.514.7 IS 9000: 1981(RA2003) Part 8: 2012
6	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(sine)	BS 6134
7	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Cold/lLow Temperature	IS 9000(PART 2/ SEC1 TO 4)
8	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics /Electrical Products, Assemblies and Components	Damp Heat(Steady State)	IEC 60571

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 58 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
9	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Degrees of Protection	IEC/IS 60529:2001(IPX6)
10	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Driving Rain/Rain	JSS 55555-2012 Test No 12 JSS 0256.01:1992 Test No 7 IS-9000:1983 part 16 QM 333 :March 2010 Test No 14
11	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Dust	JSS 55555-2012 Test No 14 IS-9000:1981 part 12 JSS 50101:1996(RA 2001) Test No 8 JSS 0256.01:1992 Test No 9 QM 333:March 2010 Test No 15
12	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Impact(Shock)/Shock	JSS 55555:2012 Test No 24:JSS 0256.01:1992 Test No 18 IEC 60068-2-27:2008 IEC 60571:1998 subclause 10.2.11 IEC 61373 clause 5.6.9 QM 333:March 2010 MIL STD 810G: 2014 Method.516.7 IS 9000: 1981(RA2003) Part 7
13	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics and Electrical Products, Assemblies and components	Vibration(Sine/Random)	JSS 55555:2012 Test No 28 JSS 50101:1996(RA 2001) TEST NO 23 & 24 JSS 0256.01:1992 Test No 15 IEC 60068-2-6:2007 IEC 60068-2-55:2013 IEC 60571:1998 subclause 10.2.11 IEC 61373 clause 5.6.9 QM 333: March 2010 Test No 6 MIL STD 810G:2014 Method.514.7 IS 9000: 1981(RA2003) Part 8
14	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Component	Shock(Half Sine)/Shock Test	JSS 55555 Test No.24
15	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Component	Shock(Half Sine)/Shock Test	JSS 0256.01 Test No.18
16	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Component	Shock(Half Sine)/Shock Test	ASTM D3332
17	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Component	Shock(Half Sine)/Shock Test	ASTM D6537

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	59 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
18	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Component	Shock(Half Sine)/Shock Test	CEI EN 50125-2
19	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Component	Shock(Half Sine)/Shock Test	CEI EN 50125-3
20	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Component	Shock(Half Sine)/Shock Test	IEC 60068-2-27
21	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Component	Shock(Half Sine)/Shock Test	IEC 60571
22	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Component	Shock(Half Sine)/Shock Test	IEC 61373
23	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Component	Shock(Half Sine)/Shock Test	IEC 62498-1
24	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Component	Shock(Half Sine)/Shock Test	IS 9000(PART 7/SEC1)
25	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Component	Shock(Half Sine)/Shock Test	JSS 1550-1
26	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Component	Shock(Half Sine)/Shock Test	JSS 50101 TEST NO.12
27	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Component	Shock(Half Sine)/Shock Test	MIL-STD-202H(METHOD 213)
28	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Component	Shock(Half Sine)/Shock Test	MIL-STD810G Method 516.7
29	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Component	Shock(Half Sine)/Shock Test	MIL-STD-883K(METHOD 2002.5)
30	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Component	Shock(Half Sine)/Shock Test	QM 333
31	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(sine)	QM 333

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 60 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
32	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Driving Rain	IS-9000:1983 Part 16
33	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(Random)	IEC 60068-2-64
34	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(Random)	MIL-STD-883K(METHOD 2026)
35	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(sine)	MIL STD 810G Method.514.7
36	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Corrosion (Salt/Salt Fog)Corrosive Atmosphere(Salt mist)/Salt Fog	JSS 55555 TEST NO.9
37	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Damp Heat(Cyclic)	JSS 50101TEST NO.5&6
38	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Driving Rain	IEC/IS 60529(IP55,IP56,IP65 &IP 66)
39	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Driving Rain	JSS 0256.01 Test No.7
40	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Driving Rain	JSS 55555 Test No.12
41	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Driving Rain	QM 333
42	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Dust	JSS 0256.01 TEST NO.9
43	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Dust	JSS 50101 TEST NO.8
44	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Dust	JSS 55555 Test No.14
45	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Dust	MIL STD 810G Method.510.6

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	61 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Dust	QM 333
47	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Dust	IS-9000:1981 part 12
48	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(Random)	ASTM D999
49	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(Random)	CEI EN 50125-2
50	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(Random)	CEI EN 50125-3
51	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(Random)	IEC 60571
52	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(Random)	IEC 61373
53	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(Random)	IEC 62093(Clause 11.8)
54	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(Random)	IEC 62498-1
55	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(Random)	IS 9000: 1981 Part 7
56	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(Random)	JSS 0256.01 Test NO.15
57	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(Random)	JSS 50101 TEST NO.24
58	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(Random)	JSS 55555 Test No.28
59	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(Random)	MIL -HDBK-216A

SCOPE OF ACCREDITATION

Laboratory Name : SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7379 **Page No** 62 of 63

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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
60	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(Random)	MIL-STD-202H(214)
61	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(Random)	MIL-STD-810G(METHOD 514.7)
62	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(Random)	QM 333
63	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(sine)	ASTM D3580
64	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(sine)	ASTM D5112
65	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(sine)	IEC 60571
66	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(sine)	IEC 61373
67	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(sine)	IS 14257
68	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(sine)	IS:9000:1981 Part 8
69	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(sine)	IS:9001:1981 Part 13
70	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(sine)	JSS 0256.01 Test No.15
71	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(sine)	JSS 50101 TEST NO.23
72	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(sine)	JSS 55555 Test No : 28
73	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical/Electronic Products, Assemblies and Components	Vibration(sine)	MIL-STD-202H(METHOD 201,204)

SCOPE OF ACCREDITATION

Laboratory Name :	SANRAY LABORATORIES PRIVATE LIMITED, PLOT NO 48,SY NO 302/3 ,EC EXTENSION,ECIL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7379	**Page No**	63 of 63
Validity	15/09/2021 to 14/09/2023	**Last Amended on**	16/05/2023

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
74	MECHANICAL- SOIL AND ROCK	stone marble/granite	mositure	IS 1124