National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : AMARA RAJA BATTERIES LTD TESTING AND CALIBRATION LABORATORY, KARAKAMBADI, TIRUPATI, CHITTOOR, ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8516 **Page No** 1 of 11

Validity 02/07/2022 to 01/07/2024 **Last Amended on** 11/08/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Barium Sulphate	Iron	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
2	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Barium Sulphate	Manganese	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
3	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Carbon Black	Acetone Absorption	IS 12178
4	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Carbon Black	Ash Content	ASTM D1506-15
5	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Carbon Black	Heat loss (Moisture)	ASTM D 1509
6	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Carbon Black	Magnesium	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
7	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Carbon Black	pH	IS 12178
8	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Caustic soda flakes	Purity	IS:252 RA 1991
9	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Cured paste of Lead	Alpha PbO(Litharge)	ARBL TSC/STP/030(Issue Date:24.07.2016,Rev.no:00)
10	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Cured paste of lead	Lead	RBL TSC/STP/030(Issue Date:24.07.2016,Rev.no:00)
11	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Cured paste of Lead	Lead oxide sulphate(4(PbO).PbSO4))	RBL TSC/STP/030(Issue Date:24.07.2016,Rev.no:00)
12	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Gray Oxide(PbO)	Aluminum	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
13	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Gray Oxide(PbO)	Antimony	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
14	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Gray Oxide(PbO)	Arsenic	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
15	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Gray Oxide(PbO)	Bismuth	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
16	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Gray Oxide(PbO)	Calcium	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
17	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Gray Oxide(PbO)	Chromium	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
18	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Gray Oxide(PbO)	Copper	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Gray Oxide(PbO)	Iron	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
20	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Gray Oxide(PbO)	Nickel	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
21	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Gray Oxide(PbO)	Silver	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
22	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Gray Oxide(PbO)	Tellurium	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
23	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Gray Oxide(PbO)	Tin	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
24	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Gray Oxide(PbO)	Zinc	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
25	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Ortho Phosphoric Acid	Assay	IS 798 method B
26	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Ortho Phosphoric acid	Relative density	IS 798
27	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red lead	Antimony	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
28	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red lead	Arsenic	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
29	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red lead	Bismuth	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
30	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red lead	Chromium	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
31	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red lead	Cobalt	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
32	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red lead	Copper	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
33	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red lead	Iron	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
34	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red lead	Nickel	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
35	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red lead	Selenium	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
36	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red lead	Silver	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
37	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red lead	Sulphur	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
38	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red lead	Tellurium	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
39	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red lead	Tin	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
40	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red lead	Zinc	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
41	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Perborate Tetrahydate(NaBO3.4H2O)	pH	ARBL TSC/STP/032(issue Dt:20.05.2017;Rev.No:00)
42	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Perborate Tetrahydate(NaBO3.4H2O)	Arsenic	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
43	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Perborate Tetrahydate(NaBO3.4H2O)	Available Oxygen	IS 3598
44	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Perborate Tetrahydate(NaBO3.4H2O)	Bismuth	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
45	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Perborate Tetrahydate(NaBO3.4H2O)	Cadmium	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
46	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Perborate Tetrahydate(NaBO3.4H2O)	Chromium	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
47	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Perborate Tetrahydate(NaBO3.4H2O)	Copper	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
48	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Perborate Tetrahydate(NaBO3.4H2O)	Iron	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
49	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Perborate Tetrahydate(NaBO3.4H2O)	Manganese	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
50	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Perborate Tetrahydate(NaBO3.4H2O)	Mercury	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
51	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Perborate Tetrahydate(NaBO3.4H2O)	Nickel	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
52	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Perborate Tetrahydate(NaBO3.4H2O)	Silver	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
53	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Perborate Tetrahydate(NaBO3.4H2O)	Zinc	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
54	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Sulphate	Aluminium	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
55	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Sulphate	Chlorides	IS:255
56	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Sulphate	Chromium	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)

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57	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Sulphate	Iron	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
58	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Sulphate	Loss of drying	IS 255:1982 RA
59	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Sulphate	Matter insoluble in water	IS 255:1982 RA
60	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Sulphate	pH	IS 255:1982 RA
61	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Sulphate	Purity	IS 255:1982 RA
62	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulfuric Acid	Chromium	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
63	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulfuric Acid	Antimony	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
64	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulfuric Acid	Arsenic	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
65	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulfuric Acid	Cobalt	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
66	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulfuric Acid	Copper	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
67	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulfuric Acid	Iron	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
68	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulfuric Acid	Manganese	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
69	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulfuric Acid	Nickel	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
70	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulfuric Acid	Selenium	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
71	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulfuric Acid	Total acidity (Purity)	IS:266
72	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulfuric Acid	Zinc	ARBL TSC/STP/029(Issue Dt:05.12.2016,Rev. no:00)
73	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Vanisperse	Calcium	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
74	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Vanisperse	Iron	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)
75	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Vanisperse	Manganese	ARBL TSC/STP/029)Issue Dt:05.12.2016,Rev.No:00)

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76	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Vanisperse	pH(10%)Solution	ARBL TSC/STP/032
77	CHEMICAL- METALS & ALLOYS	Lead ingot	Tellurium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
78	CHEMICAL- METALS & ALLOYS	Antimony lead alloy	Antimony	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
79	CHEMICAL- METALS & ALLOYS	Antimony lead alloy	Arsenic	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
80	CHEMICAL- METALS & ALLOYS	Antimony lead alloy	Bismuth	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
81	CHEMICAL- METALS & ALLOYS	Antimony lead alloy	Cadmium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
82	CHEMICAL- METALS & ALLOYS	Antimony lead alloy	Cobalt	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
83	CHEMICAL- METALS & ALLOYS	Antimony lead alloy	Copper	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
84	CHEMICAL- METALS & ALLOYS	Antimony lead alloy	Iron	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
85	CHEMICAL- METALS & ALLOYS	Antimony lead alloy	Manganese	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
86	CHEMICAL- METALS & ALLOYS	Antimony lead alloy	Nickel	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
87	CHEMICAL- METALS & ALLOYS	Antimony lead alloy	Selenium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
88	CHEMICAL- METALS & ALLOYS	Antimony lead alloy	Silver	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
89	CHEMICAL- METALS & ALLOYS	Antimony lead alloy	Sulphur	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
90	CHEMICAL- METALS & ALLOYS	Antimony lead alloy	Tellurium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
91	CHEMICAL- METALS & ALLOYS	Antimony lead alloy	Tin	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
92	CHEMICAL- METALS & ALLOYS	Antimony lead alloy	Zinc	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
93	CHEMICAL- METALS & ALLOYS	Cadmium ingot	Copper	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
94	CHEMICAL- METALS & ALLOYS	Cadmium ingot	Iron	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)

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95	CHEMICAL- METALS & ALLOYS	Cadmium ingot	Lead	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
96	CHEMICAL- METALS & ALLOYS	Cadmium ingot	Silver	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
97	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Aluminum	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
98	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Barium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
99	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Bismuth	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
100	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Calcium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
101	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Chromium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
102	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Cobalt	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
103	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Copper	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
104	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Gold	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
105	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Iron	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
106	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Magnesium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
107	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Manganese	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
108	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Nickel	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
109	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Selenium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
110	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Silver	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
111	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Strontium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
112	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Tellurium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
113	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Tin	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
114	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Zinc	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
115	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Antimony	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
116	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Arsenic	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
117	CHEMICAL- METALS & ALLOYS	Lead Calcium Alloy	Vanadium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
118	CHEMICAL- METALS & ALLOYS	Lead ingot	Aluminum	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
119	CHEMICAL- METALS & ALLOYS	Lead ingot	Antimony	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
120	CHEMICAL- METALS & ALLOYS	Lead ingot	Arsenic	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
121	CHEMICAL- METALS & ALLOYS	Lead ingot	Bismuth	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
122	CHEMICAL- METALS & ALLOYS	Lead ingot	Cadmium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
123	CHEMICAL- METALS & ALLOYS	Lead ingot	Calcium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
124	CHEMICAL- METALS & ALLOYS	Lead ingot	Chromium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
125	CHEMICAL- METALS & ALLOYS	Lead ingot	Cobalt	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
126	CHEMICAL- METALS & ALLOYS	Lead ingot	Copper	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
127	CHEMICAL- METALS & ALLOYS	Lead ingot	Iron	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
128	CHEMICAL- METALS & ALLOYS	Lead ingot	Manganese	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
129	CHEMICAL- METALS & ALLOYS	Lead ingot	Mercury	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
130	CHEMICAL- METALS & ALLOYS	Lead ingot	Nickel	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
131	CHEMICAL- METALS & ALLOYS	Lead ingot	Platinum	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
132	CHEMICAL- METALS & ALLOYS	Lead ingot	Selenium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
133	CHEMICAL- METALS & ALLOYS	Lead ingot	Silver	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
134	CHEMICAL- METALS & ALLOYS	Lead ingot	Sulphur	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
135	CHEMICAL- METALS & ALLOYS	Lead ingot	Tin	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
136	CHEMICAL- METALS & ALLOYS	Lead ingot	Zinc	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
137	CHEMICAL- METALS & ALLOYS	MS Cabinets	Content Durability Test	IEC 60896-21&22
138	CHEMICAL- METALS & ALLOYS	Nuts,Bolts,Washers	Acid Resistance	ARBL/TSC/STP/035
139	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Aluminum	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
140	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Antimony	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
141	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Arsenic	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
142	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Barium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
143	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Bismuth	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
144	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Cadmium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
145	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Calcium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
146	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Cobalt	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
147	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Copper	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
148	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Iron	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
149	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Manganese	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
150	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Nickel	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
151	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Platinum	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)

SCOPE OF ACCREDITATION

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
152	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Silver	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
153	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Sulphur	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
154	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Tellurium	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
155	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Tin	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
156	CHEMICAL- METALS & ALLOYS	Tin Lead Alloy	Zinc	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
157	CHEMICAL- METALS & ALLOYS	Tin pencil	Arsenic	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
158	CHEMICAL- METALS & ALLOYS	Tin pencil	Bismuth	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
159	CHEMICAL- METALS & ALLOYS	Tin pencil	Copper	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
160	CHEMICAL- METALS & ALLOYS	Tin pencil	Iron	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
161	CHEMICAL- METALS & ALLOYS	Tin pencil	Lead	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
162	CHEMICAL- PLASTIC & RESINS	Plastic Jars/Containers	Acid Resistivity	IS:1146
163	CHEMICAL- PLASTIC & RESINS	Plastic Material	Flammability of Plastic Materials (V0)	UL-94
164	CHEMICAL- PLASTIC & RESINS	Plastics	Horizontal Burning Rate	UL-94
165	CHEMICAL- PLASTIC & RESINS	Poly Ethylene Separator	COD(Chemical Oxygen Demand)	IS:3025
166	CHEMICAL- PLASTIC & RESINS	PVC Shims	Water Absorption	ASTMD-570-98
167	CHEMICAL- WATER	DM/RO water	Conductivity	IS 3025 Part 14 RA
168	CHEMICAL- WATER	DM/RO water	Iron	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
169	CHEMICAL- WATER	DM/RO water	Lead	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
170	CHEMICAL- WATER	DM/RO water	Manganese	ARBL TSC/STP/029 (Issue Dt: 05.12.2016, Rev.no:00)
171	CHEMICAL- WATER	DM/RO Water	pH	IS 3025 Part 11 RA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
172	CHEMICAL- WATER	DM/RO Water	Total Dissolved Solids	IS3025 Part 16 RA
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals and Non-Ferrous Alloys	Vickers Hardness testing	ASTM E92
174	MECHANICAL-METALLOGRAPHY TEST	Lead and its compounds , Lithium salts & Absorptive Glassmate seperator	Morphology	SOP ARBL/TSP/STP/031, Issue No. 01
175	MECHANICAL-METALLOGRAPHY TEST	Lead Ingot	Microstructure	SOP ARBL/TSP/STP/031, Issue No. 01
176	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Acrylonitrile Butyl Styrene(ABS)	Glass Transition Temperature mid by DSC	ASTM D3418
177	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Porous polyethylene separator	Thickness	IS 2092
178	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Porous Polyethylene separator	Web Thickness	IS 2092
179	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Porous polyethylene separator	Width	IS 3651 Part 2
180	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PPCP(polypropylene copolymer)	Crystallization Enthalpy/Area	ASTM D3418
181	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PPCP(polypropylene copolymer)	Crystallization Extrapolated End Temperature (T efc)	ASTM D3418
182	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PPCP(Polypropylene copolymer)	Crystallization Extrapolated Onset Temperature (T eic)	ASTM D3418
183	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PPCP(Polypropylene copolymer)	Crystallization Peak Temperature (Tpc)	ASTM D3418
184	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PPCP(polypropylene copolymer)	Density	ASTM D 792-86
185	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PPCP(polypropylene copolymer)	Elongation at break	ASTM D638
186	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PPCP(Polypropylene copolymer)	Flexural Modulus	ASTM D 790M
187	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PPCP(polypropylene copolymer)	Glass transition temperature-Mid (Tmg)	ASTM D 3418
188	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PPCP(Polypropylene copolymer)	IZOD impact	ASTM D256
189	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PPCP(polypropylene copolymer)	Melting Enthalpy/Area	ASTM D3418
190	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PPCP(Polypropylene copolymer)	Melting Extrapolated End Temperature (T efm)	ASTM D3418

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191	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PPCP(Polypropylene copolymer)	Melting Extrapolated Onset Temperature (T eim)	ASTM D3418
192	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PPCP(polypropylene copolymer)	Melting peak temperature(Tpm)	ASTM D 3418
193	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PPCP(polypropylene copolymer)	Oxygen index	ASTM D 2863
194	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PPCP(polypropylene copolymer)	Tensile Strength	ASTM D 638-14
195	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PVC(Polyvinyl chloride) shims	Thickness	IS 2967
196	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PVC(Polyvinyl chloride) shims	Width	IS 3651 Part 2