SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY, ORDNANCE FACTORY BADMAL, A.T. & P.O.: O.F. BADMAL, BOLANGIR, ODISHA, INDIA

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Permanent Facility				
1	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Aluminium Powder Heavy Gr.1	pH of Water extract	JSG 0112 Rev.3, Method 5(b)
2	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Aluminium Powder Heavy Gr.1	Volatile matter at 105 degC +/-2 degC	JSG 0112 Rev.3, Method-1(a)
3	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Aluminium Powder Light	Volatile matter at 100 degC +/-2 degC	JSG 0112 Rev.3, Method-1(a)
4	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Amino Guanidine Sulphate Solution	Concentration	WI/OFBL/ QCL/ 10, Issue No. 02
5	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Amino Guanidine Sulphate Solution	Density	WI/OFBL/ QCL/ 01, Issue No. 02
6	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Amino Guanidine Sulphate Solution	pH	WI/OFBL/ QCL/ 03, Issue No. 02
7	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Barium Chromate	Barium Chromate content	IND/ ME/ 794 (b), Appendix - A
8	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Barium Chromate	Sieving requirement, Retained on 53 micrometre IS Sieve	IND/ ME/ 794 (b), Appendix - D
9	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Barium Chromate	Volatile Matter	JSG 0112 Rev.3, Method 1(b)
10	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Barium Chromate	Water soluble Chlorides	JSG 0112 Rev.3, Method 7(b)
11	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Barium Chromate	Water soluble matter	JSG 0112 Rev.3, Method 3
12	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Barium Nitrate, Gr.-1	Barium Nitrate Content	JSS 6810-59 Rev.4, Appendix-C
13	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Barium Nitrate, Gr.-1	Chlorides calculated as Sodium Chloride	JSG 0112 Rev.3, Method 7(b)
14	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Barium Nitrate, Gr.-1	Moisture Content	JSG 0112 Rev.3, Method 1(a)
15	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Barium Nitrate, Gr.-1	pH of water extract	JSG 0112 Rev.3, Method 5(b)
16	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Barium Nitrate, Gr.-1	Sieving requirements: Passing through 125 micrometre IS Sieve	JSG 0112 Rev.3, Method 18
17	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Barium Peroxide , Gr.1	Sieving requirement 1. Retained on 125 micrometre IS Sieve	JSG 0112 Rev.3, Method-18

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18	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Barium Peroxide , Gr.1	Sieving requirement 2. Retained on 63 micrometre IS Sieve	JSG 0112 Rev.3, Method-18
19	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Barium Peroxide , Gr.1	Total Barium Compounds soluble in Hydrochloric acid calculated as Barium	JSS 6810-96 Rev.3, Appendix-B
20	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Barium Peroxide, Gr.1	Barium Peroxide	JSS 6810-96 Rev.3, Appendix-C
21	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Booster Cup Composition	Moisture and Volatile Substances	OST B 84-556-78, Para-5.4
22	CHEMICAL- EXPLOSIVES & PYROTECHNICS	BT - 4 Composition	Barium Nitrate	IND/ ME/ 992, Appendix-B
23	CHEMICAL- EXPLOSIVES & PYROTECHNICS	BT - 4 Composition	Barium Peroxide	IND/ ME/ 992, Appendix-B
24	CHEMICAL- EXPLOSIVES & PYROTECHNICS	BT - 4 Composition	Magnesium	IND/ ME/ 992, Appendix-B
25	CHEMICAL- EXPLOSIVES & PYROTECHNICS	BT - 4 Composition	Phenol Formaldehyde	IND/ ME/ 992, Appendix-B
26	CHEMICAL- EXPLOSIVES & PYROTECHNICS	BT - 4 Composition	Sieving requirements: Passing through 600 micrometre IS Sieve	IND/ ME/ 992, Appendix-C
27	CHEMICAL- EXPLOSIVES & PYROTECHNICS	BT - 4 Composition	Volatile Matter	IND/ ME/ 992, Appendix-A
28	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CU - 1 Composition	APC-217	JSS 1365-46, Appendix-B
29	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CU - 1 Composition	Red Lead	JSS 1365-46, Appendix-B
30	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CU - 1 Composition	Zirconium Powder	JSS 1365-46, Appendix-B
31	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Dextrinated Lead Azide	Lead Azide Content	GOST:1905-69, Clause No. 2.7
32	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Graphite Sulphur Free	pH of aqueous extract	JSG 0112 Rev.3, Method 5(b)
33	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Graphite Sulphur Free	Sieving requirements: Retained on 90 micrometre IS sieve	JSS 9620-01 Rev.4, Appendix-F
34	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Graphite Sulphur Free	Volatile Matter after drying for 2 hrs. at 105 degC +/- 2 degC	JSG 0112 Rev.3, Method 1(a)
35	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder (G-7, G-12, G-20 & G-40)	Absolute Density	JSS 1376-05 Rev.4, Appendix-L

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36	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder (G-7, G-12, G-20 & G-40)	Acidity calculated as H2SO4	JSS 1376-05 Rev.4, Appendix-G
37	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder (G-7, G-12, G-20 & G-40)	Chloride calculated as KCl	JSS 1376-05 Rev.4, Appendix-C
38	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder (G-7, G-12, G-20 & G-40)	Composition (a) Potassium Nitrate	JSS 1376-05 Rev.4, Appendix-Q
39	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder (G-7, G-12, G-20 & G-40)	Composition (b) Charcoal	JSS 1376-05 Rev.4, Appendix-Q
40	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder (G-7, G-12, G-20 & G-40)	Composition (c) Sulphur	JSS 1376-05 Rev.4, Appendix-Q
41	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder (G-7, G-12, G-20 & G-40)	Hygroscopicity	JSS 1376-05 Rev.4, Appendix-K
42	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder (G-7, G-12, G-20 & G-40)	Lead Fuze burning test, Rate	JSS 1376-05 Rev.4, Appendix-J
43	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder (G-7, G-12, G-20 & G-40)	Mass of residue on flashing	JSS 1376-05 Rev.4, Appendix-H
44	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder (G-7, G-12, G-20 & G-40)	Moisture Content	JSS 1376-05 Rev.4, Appendix-B
45	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder (G-7, G-12, G-20 & G-40)	Sieving requirements: 1. Passing through 6.3 mm, 2.0 mm, 1.0 mm, 500 micrometre IS sieve	JSS 1376-05 Rev.4, Appendix-M
46	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder (G-7, G-12, G-20 & G-40)	Sodium compound, calculated as Sodium	JSS 1376-05 Rev.4, Appendix-F
47	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder (G-7, G-12, G-20 & G-40)	Sulphates calculated as K2SO4	JSS 1376-05 Rev.4, Appendix-D
48	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder (G-7, G-12, G-20 & G-40)	Total Chlorine calculated as KClO4	JSS 1376-05 Rev.4, Appendix-E
49	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder (G-7, G-12, G-20 & G-40)	Visual Examination	JSS 1376-05 Rev.4, Appendix-A
50	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder (G-7, G-12, G-20 & G-40)	Sieving requirements: 2. Retained on 2.0 mm, 1.0 mm, 600 and 300 micrometre IS sieve	JSS 1376-05 Rev.4, Appendix-M
51	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Lead Acetate Powder	pH	JSS 6810-123 Rev.4, Appendix-E
52	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Lead Ferro Cyanide	Iron Content	IND/ ME/ 769, Appendix-D

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53	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Lead Ferro Cyanide	Lead Content	IND/ ME/ 769, Appendix-C
54	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Lead Ferro Cyanide	Volatile Matter	IND/ ME/ 769, Appendix-A
55	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Lead Nitrate	Lead Nitrate Content	JSS 6810-80 Rev.4, Appendix-A
56	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Lead Nitrate	pH of water extract	JSG 0112 Rev.3, Method-5(b)
57	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Lead Nitrate	Volatile Matter at 95 degC to 100 degC for 2 hours	JSG 0112 Rev.3, Method-1(a)
58	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Lead Nitrate Solution	Concentration	WI/OFBL/QCL/08, Issue No.02
59	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Lead Nitrate Solution	Density	WI/OFBL/ QCL/ 01, Issue No.02
60	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Lead Nitrate Solution	pH	WI/ OFBL/ QCL/ 03, Issue No.02
61	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Lead Styphnate	Lead Content	JSS 1375-06 Rev. 3, Appendix-C
62	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Magnesium Styphnate Solution	Concentration	WI/OFBL/QCL/11, Issue No.02
63	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Magnesium Styphnate Solution	Density	WI/ OFBL/ QCL/ 01, Issue No.02
64	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Magnesium Styphnate Solution	pH	WI/OFBL/ QCL/ 03, Issue No.02
65	CHEMICAL- EXPLOSIVES & PYROTECHNICS	ME - 412 Composition	Antimony Sulphide	JSS 1365-48, Appendix - C
66	CHEMICAL- EXPLOSIVES & PYROTECHNICS	ME - 412 Composition	Barium Chromate	JSS 1365-48, Appendix - C
67	CHEMICAL- EXPLOSIVES & PYROTECHNICS	ME - 412 Composition	N.C. Content	JSS 1365-48, Appendix - C
68	CHEMICAL- EXPLOSIVES & PYROTECHNICS	ME - 412 Composition	Potassium Perchlorate	JSS 1365-48, Appendix - C
69	CHEMICAL- EXPLOSIVES & PYROTECHNICS	ME - 412 Composition	Volatile Matter	JSG 0112 Rev.3, Method 1(a)
70	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Paraffin Wax Special	Ash on incineration	JSG 0112 Rev.3, Method 2(a)
71	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Paraffin Wax Special	pH of water extract	JSS 9160-06 Rev.4, Appendix-E

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72	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Potassium Chlorate	Moisture Content	IS 708 Rev.2, Appendix-A-4
73	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Potassium Chlorate	pH value	IS 708 Rev.2, Appendix-A-3
74	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Potassium Perchlorate	Moisture Content at 105 degC for 3 hrs.	JSG 0112 Rev.3, Method-1(a)
75	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Potassium Perchlorate	pH of aqueous extract	JSG 0112 Rev.3, Method-5(b)
76	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Potassium Perchlorate	Sieving requirements: 1.Retained on 150 micrometre IS sieve	JSG 0112 Rev.3, Method-18
77	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Potassium Perchlorate	Sieving requirements: 2.Retained on 75 micrometre IS sieve	JSG 0112 Rev.3, Method-18
78	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Pure Lead Azide	Lead Azide Content	JSS 1376-09 Rev.4, Appendix-B
79	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Pure Lead Azide	pH of Water extract	JSS 1376-09 Rev.4, Appendix-C
80	CHEMICAL- EXPLOSIVES & PYROTECHNICS	S - 243 Composition	Cryolite	IND/ ME/ 993, Appendix-B
81	CHEMICAL- EXPLOSIVES & PYROTECHNICS	S - 243 Composition	Graphite	IND/ ME/ 993, Appendix-B
82	CHEMICAL- EXPLOSIVES & PYROTECHNICS	S - 243 Composition	Magnesium	IND/ ME/ 993, Appendix-B
83	CHEMICAL- EXPLOSIVES & PYROTECHNICS	S - 243 Composition	Phenol Formaldehyde	IND/ ME/ 993, Appendix-B
84	CHEMICAL- EXPLOSIVES & PYROTECHNICS	S - 243 Composition	Rosin	IND/ ME/ 993, Appendix-B
85	CHEMICAL- EXPLOSIVES & PYROTECHNICS	S - 243 Composition	Sieving requirements: Passing through 850 micrometre IS Sieve	IND/ ME/ 993, Appendix-C
86	CHEMICAL- EXPLOSIVES & PYROTECHNICS	S - 243 Composition	Strontium Nitrate	IND/ ME/ 993, Appendix-B
87	CHEMICAL- EXPLOSIVES & PYROTECHNICS	S - 243 Composition	Volatile Matter	IND/ ME/ 993, Appendix-A
88	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Sodium Azide Solution	Concentration	WI/ OFBL/ QCL/ 04, Issue No.02
89	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Sodium Azide Solution	Density	WI/ OFBL/ QCL/ 01, Issue No.02

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90	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Sodium Azide Solution	pH	WI/ OFBL/ QCL/ 03, Issue No.02
91	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Sodium Nitrate	Chlorides calculated as Sodium Chloride	JSG 0112 Rev.3, Method 7(b)
92	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Sodium Nitrate	pH of water extract	JSG 0112 Rev.3, Method-5(b)
93	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Sodium Nitrate	Sulphates calculated as Sodium sulphate	JSG 0112 Rev.3, Method 8
94	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Sodium Nitrate	Volatile Matter at 105 degC +/- 3 degC for 3 hrs.	JSG 0112 Rev.3, Method-1(a)
95	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Sodium Nitrite Solution	Concentration	WI/OFBL/QCL/09, Issue No.2
96	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Sodium Nitrite Solution	Density	WI/ OFBL/ QCL/ 01, Issue No.02
97	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Sodium Nitrite Solution	pH	WI/ OFBL/ QCL/ 03, Issue No.02
98	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Strontium Nitrate	Moisture	IS 5671 Rev.1, Appendix- A-3
99	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Strontium Nitrate	pH of aqueous solution	IS 5671 Rev.1, Appendix-A-6
100	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Antimony Sulphide	pH of aqueous extract	JSG 0112 Rev.3, Method 5(b)
101	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Antimony Sulphide	Volatile matter at 100 degC to 105 degC for 2 h	JSG 0112 Rev.3, Method 1(a)
102	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Carbon Black	Water soluble Chlorides	JSG 0112 Rev.3, Method 7(b)
103	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Carbon Black	Water soluble Sulphates	JSG 0112 Rev.3, Method 8
104	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Cement ABS	Chlorides calculated as Sodium Chloride	JSG 0112 Rev.3, Method 7(b)
105	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Cement ABS	Sulphates calculated as Sodium Sulphate	JSG 0112 Rev.3, Method 8
106	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Cement ABS	pH of water extract	JSG 0112 Rev.3, Method 5(b)
107	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Kaolin	Loss on Ignition at 800 degC	JSG 0112 Rev.3, Method 2(a)
108	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Kaolin	PH of water extract	JSG 0112 Rev.3, Method 5(b)

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109	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Kaolin	Volatile Matter at 100 degC to 105 degC for 3 hours	JSG 0112 Rev 3, Method 1(a)
110	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Rosin Gr.I	Ash on incineration	JSG 0112 Rev.3, Method 2(a)
111	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Rosin Gr.I	pH of water extract	JSG 0112 Rev.3, Method 5(b)
112	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Rosin Gr.I	Volatile matter at 105 degC to 110 degC for 5 hours	JSG 0112 Rev.3, Method-1(a)
113	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Silicon Grease	pH of water extract	JSG 0112 Rev.3, Method 5(b)
114	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Silicon Grease	Water soluble Chlorides as Sodium Chloride	JSG 0112 Rev.3, Method 7(b)
115	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Silicon Grease	Water soluble Sulphate as Sodium Sulphate	JSG 0112 Rev.3, Method 8
116	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Aluminium Fluoride	pH of water extract	JSG 0112 Rev.3, Method 5(b)
117	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Aluminium Fluoride	Volatile matter at 100 degC to 105 degC for 3 h	JSG 0112 Rev.3, Method 1(a)
118	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulphur Gr.I	Ash on incineration	JSG 0112 Rev.3, Method 2(a)
119	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulphur Gr.I	Volatile matter at 70 degC for 1 hour 30 min	JSG 0112 Rev.3, Method 1(a)
120	CHEMICAL- LAC AND LAC PRODUCTS	APC (SHELLAC BASED) APC - 201, 202, 211, 212, 218, 222, 223, 224, 225 & 226	Ash	JSS 8010 - 63 Rev.4, Appendix - B
121	CHEMICAL- LAC AND LAC PRODUCTS	APC (SHELLAC BASED) APC - 201, 202, 211, 212, 218, 222, 223, 224, 225 & 226	Iodine Value	JSS 8010 - 63 Rev.4, Appendix - C
122	CHEMICAL- LAC AND LAC PRODUCTS	APC (SHELLAC BASED) APC - 201, 202, 211, 212, 218, 222, 223, 224, 225 & 226	Total Non-volatile Matter	JSS 8010 - 63 Rev.4, Appendix - A
123	CHEMICAL- LAC AND LAC PRODUCTS	APC-103	Bend Test-Flexibility & Adhesion	IS 101 (Part 5/ Sec 2) Rev.3
124	CHEMICAL- LAC AND LAC PRODUCTS	APC-103	Drying Time a. Surface Dry	IS 101 (Part 3/ Sec 1) Rev.3
125	CHEMICAL- LAC AND LAC PRODUCTS	APC-103	Drying Time b. Hard Dry	IS 101 (Part 3/ Sec 1) Rev.3
126	CHEMICAL- LAC AND LAC PRODUCTS	APC-103	Kinematic Viscosity of the thinned material at 25 +/- 1 deg C	IS-1448 Part-25 Rev.1

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127	CHEMICAL- LAC AND LAC PRODUCTS	APC-103	Resistance to Warm Water	IND/ME/368(c), Appendix - A
128	CHEMICAL- LAC AND LAC PRODUCTS	APC-103	Scratch Test - Hardness	IS 101(Part 5/ Sec 1) Rev.3
129	CHEMICAL- LAC AND LAC PRODUCTS	APC-2	Volatile Matter	JSS 8030-14 Rev.5, Appendix-C
130	CHEMICAL- LAC AND LAC PRODUCTS	APC-210	Adhesion - Pressure Test	IS 101 (Part 5/ Sec 1) Rev.3
131	CHEMICAL- LAC AND LAC PRODUCTS	APC-210	Drying Time at room temperature on brass plate b. Hard Dry	IS 101 (Part 3/ Sec 1) Rev.3
132	CHEMICAL- LAC AND LAC PRODUCTS	APC-210	Drying Time at room temperature on brass plate a. Surface Dry	IS 101 (Part 3/ Sec 1) Rev.3
133	CHEMICAL- LAC AND LAC PRODUCTS	APC-210	Hardness- Scratch Test	IS 101 (Part 5/ Sec 1) Rev.3
134	CHEMICAL- LAC AND LAC PRODUCTS	APC-210	Viscosity at 27 +/- 2 deg C	IS - 1448 Part-25 Rev.1
135	CHEMICAL- LAC AND LAC PRODUCTS	APC-210	Water Absorption i.e. Gain in mass	JSS 8010-64 Rev. 4, Appendix - C
136	CHEMICAL- LAC AND LAC PRODUCTS	APC-217	Drying Time a. Surface Dry	IS 101(Part 3/ Sec 1) Rev.3
137	CHEMICAL- LAC AND LAC PRODUCTS	APC-217	Drying Time b. Hard Dry	IS 101 (Part 3/ Sec 1) Rev.3
138	CHEMICAL- LAC AND LAC PRODUCTS	APC-217	Finish	IS 101 (Part 3/ Sec 4) Rev.3
139	CHEMICAL- LAC AND LAC PRODUCTS	APC-217	Kinematic Viscosity at 27 deg C	JSS 8010-42 Rev.5, Appendix-D
140	CHEMICAL- LAC AND LAC PRODUCTS	APC-217	pH of Water Extract	JSS 8010-42 Rev.5, Appendix-C
141	CHEMICAL- LAC AND LAC PRODUCTS	APC-217	Scratch Test	IS 101 (Part 5/ Sec 1) Rev.3
142	CHEMICAL- LAC AND LAC PRODUCTS	APC-219	Drying Time Hard Dry	IS 101 (Part 3/ Sec 1) Rev.3
143	CHEMICAL- LAC AND LAC PRODUCTS	APC-219	Finish	IS 101 (Part 3/ Sec 4) Rev.3
144	CHEMICAL- LAC AND LAC PRODUCTS	APC-219	Flexibility	IS 101 (Part 5/ Sec 2) Rev.3

SCOPE OF ACCREDITATION

Laboratory Name :	QUALITY CONTROL LABORATORY, ORDNANCE FACTORY BADMAL, A.T. & P.O.: O.F. BADMAL, BOLANGIR, ODISHA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7187	**Page No**	9 of 10
Validity	22/04/2022 to 21/04/2024	**Last Amended on**	15/06/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
145	CHEMICAL- LAC AND LAC PRODUCTS	APC-219	pH	JSS 8010-48 Rev.3, Appendix-E
146	CHEMICAL- LAC AND LAC PRODUCTS	APC-219	Scratch Hardness	IS 101 (Part 5/ Sec 1) Rev.3
147	CHEMICAL- LAC AND LAC PRODUCTS	APC-219	Total Solids	JSS 8010-48 Rev.3, Appendix-A
148	CHEMICAL- LAC AND LAC PRODUCTS	APC-219	Viscosity at 25 deg C	IS-1448 Part-25 Rev.1
149	CHEMICAL- PAINTS & SURFACE COATING	Golden Yellow, Signal Red, Marking White	Calcium Compounds	IS 63 Rev.3, Appendix-A
150	CHEMICAL- PAINTS & SURFACE COATING	Golden Yellow, Signal Red, Marking White	Flash Point	IS 101 (Part 1/ Sec 6) Rev.3
151	CHEMICAL- PAINTS & SURFACE COATING	Golden Yellow, Signal Red, Marking White	Flexibility and adhesion - Bend Test	IS 101 (Part 5/ Sec 2) Rev.3
152	CHEMICAL- PAINTS & SURFACE COATING	Golden Yellow, Signal Red, Marking White	Lead Restriction	IS 101 (Part 8/ Sec 5) Rev.3
153	CHEMICAL- PAINTS & SURFACE COATING	Golden Yellow, Signal Red, Marking White	Mass	IS 101 (Part 1/ Sec 7) Rev.4
154	CHEMICAL- PAINTS & SURFACE COATING	Golden Yellow, Signal Red, Marking White	Pressure Test	IS 101 (Part 5/ Sec 1) Rev.3
155	CHEMICAL- PAINTS & SURFACE COATING	Golden Yellow, Signal Red, Marking White	Resistance to Lubricating Oil	IS 138 Rev.4, Annexure-C
156	CHEMICAL- PAINTS & SURFACE COATING	Golden Yellow, Signal Red, Marking White	Resistance to Petroleum Hydrocarbon solvent	IS 138 Rev.4, Annexure-C
157	CHEMICAL- PAINTS & SURFACE COATING	Golden Yellow, Signal Red, Marking White	Resistance to water	IS 138 Rev.4, Annexure-D
158	CHEMICAL- PAINTS & SURFACE COATING	Golden Yellow, Signal Red, Marking White	Viscosity by ford Cup No.4	IS 101 (Part 1/ Sec 5) Rev.3
159	CHEMICAL- PAINTS & SURFACE COATING	Golden Yellow, Signal Red, Marking White	Water Content	IS 101 (Part 2/ Sec 1) Rev.4
160	CHEMICAL- PAINTS & SURFACE COATING	Olive Green, Middle Buff, Light Brunswick Green, Blue azure, Light Bronze Green, Deep Bronze Green	Flash Point	IS 101 (Part 1/ Sec 6) Rev.3
161	CHEMICAL- PAINTS & SURFACE COATING	Olive Green, Middle Buff, Light Brunswick Green, Blue azure, Light Bronze Green, Deep Bronze Green	Flexibility and adhesion - Bend Test	IS 101(Part 5/ Sec 2) Rev. 3
162	CHEMICAL- PAINTS & SURFACE COATING	Olive Green, Middle Buff, Light Brunswick Green, Blue azure, Light Bronze Green, Deep Bronze Green	Lead Restriction	IS 101 (Part 8/ Sec 5) Rev.3
163	CHEMICAL- PAINTS & SURFACE COATING	Olive Green, Middle Buff, Light Brunswick Green, Blue azure, Light Bronze Green, Deep Bronze Green	Mass	IS 101 (Part 1/ Sec 7) Rev. 4

SCOPE OF ACCREDITATION

Laboratory Name :	QUALITY CONTROL LABORATORY, ORDNANCE FACTORY BADMAL, A.T. & P.O.: O.F. BADMAL, BOLANGIR, ODISHA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7187	**Page No**	10 of 10
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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
164	CHEMICAL- PAINTS & SURFACE COATING	Olive Green, Middle Buff, Light Brunswick Green, Blue azure, Light Bronze Green, Deep Bronze Green	Pressure Test	IS 101 (Part 5/ Sec 1) Rev.3
165	CHEMICAL- PAINTS & SURFACE COATING	Olive Green, Middle Buff, Light Brunswick Green, Blue azure, Light Bronze Green, Deep Bronze Green	Resistance to Lubricating Oil	IS 168 Rev.4, Annexure-D
166	CHEMICAL- PAINTS & SURFACE COATING	Olive Green, Middle Buff, Light Brunswick Green, Blue azure, Light Bronze Green, Deep Bronze Green	Resistance to Petroleum Hydrocarbon solvent	IS 168 Rev.4, Annexure-D
167	CHEMICAL- PAINTS & SURFACE COATING	Olive Green, Middle Buff, Light Brunswick Green, Blue azure, Light Bronze Green, Deep Bronze Green	Viscosity by ford Cup No.4	IS 101 (Part 1/ Sec 5) Rev.3
168	CHEMICAL- PAINTS & SURFACE COATING	Olive Green, Middle Buff, Light Brunswick Green, Blue azure, Light Bronze Green, Deep Bronze Green	Volume Solids	IS 101 (Part 8/ Sec 6)
169	CHEMICAL- PAINTS & SURFACE COATING	Olive Green, Middle Buff, Light Brunswick Green, Blue azure, Light Bronze Green, Deep Bronze Green	Water Content	IS 101 (Part 2/ Sec 1) Rev.4
170	CHEMICAL- PAINTS & SURFACE COATING	Paint R/M A/D Matt Orthoxylene based Zinc Chrome Redoxide	Argillaceous Matter	IND/ME/964, Appendix-B
171	CHEMICAL- PAINTS & SURFACE COATING	Paint R/M A/D Matt Orthoxylene based Zinc Chrome Redoxide	Drying Time Hard Dry	IS 101 (Part 3/ Sec 1) Rev.3
172	CHEMICAL- PAINTS & SURFACE COATING	Paint R/M A/D Matt Orthoxylene based Zinc Chrome Redoxide	Flash Point	IS 101 (Part 1/ Sec 6) Rev.3
173	CHEMICAL- PAINTS & SURFACE COATING	Paint R/M A/D Matt Orthoxylene based Zinc Chrome Redoxide	Mass	IS 101 (Part 1/ Sec 7) Rev. 4
174	CHEMICAL- PAINTS & SURFACE COATING	Paint R/M A/D Matt Orthoxylene based Zinc Chrome Redoxide	Pigment content	IS 101(Part 8/Sec 2), Rev.3
175	CHEMICAL- PAINTS & SURFACE COATING	Paint R/M A/D Matt Orthoxylene based Zinc Chrome Redoxide	Viscosity by ford Cup No.4	IS 101 (Part 1/ Sec 5) Rev.3
176	CHEMICAL- PAINTS & SURFACE COATING	Paint R/M A/D Matt Orthoxylene based Zinc Chrome Redoxide	Water Content	IS 101 (Part 2/ Sec 1) Rev.4
177	CHEMICAL- PAINTS & SURFACE COATING	Paint R/M A/D Matt Orthoxylene based Zinc Chrome Redoxide	Zinc Chrome content	IND/ME/964, Appendix-A