National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY ASSURANCE LABORATORY, ORDNANCE FACTORY KHAMARIA, JABALPUR, MADHYA PRADESH, INDIA

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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
Permanent Facility				
1	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Basic Lead Azide	Lead Azide Content	IND/ME/916(Prov)- APPENDIX-B
2	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Basic Lead Azide	Moisture Content	IND/ME/916(Prov)- APPENDIX A:
3	CHEMICAL- EXPLOSIVES & PYROTECHNICS	BLASA	MOISTURE CONTENT	IND/ME/953 7.2
4	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Comp. L-Mix.	Barium Nitrate %	IND/ME/1019- APPENDIX 7.4.1
5	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Comp. L-Mix.	Volatile matter %	IND/ME/1019- APPENDIX 7.3
6	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Comp. NTT- 43	Lead Azide	IND/ME/910- APPENDIX B:
7	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Comp. NTT- 43	Lead Styphnate	IND/ME/910 APPENDIX C:
8	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Comp. NTT- 43	Moisture Content	IND/ME/910 APPENDIX A:
9	CHEMICAL- EXPLOSIVES & PYROTECHNICS	COMPOSITION AMATOL	Ammonium Nitrate	IND/ME/358 APPENDIX C
10	CHEMICAL- EXPLOSIVES & PYROTECHNICS	COMPOSITION AMATOL	TNT	IND/ME/358 APPENDIX B
11	CHEMICAL- EXPLOSIVES & PYROTECHNICS	COMPOSITION CU-1	Nitro Cellulose	IND/ME/950(a) APPENDIX 7.3A
12	CHEMICAL- EXPLOSIVES & PYROTECHNICS	COMPOSITION CU-1	Red Lead	IND/ME/950(a) APPENDIX 7.3B
13	CHEMICAL- EXPLOSIVES & PYROTECHNICS	COMPOSITION CU-1	Zirconium Powder	IND/ME/950(a) APPENDIX 7.3.C
14	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Composition Igniting No.45	NC Content	IND/ME/937 APPENDIX B
15	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Composition Illuminating	Zn Stearate	IND/ME/935 APPENDIX-B1
16	CHEMICAL- EXPLOSIVES & PYROTECHNICS	COMPOSITION PA	Antimony Sulphide	IND/ME/1036 APPENDIX C
17	CHEMICAL- EXPLOSIVES & PYROTECHNICS	COMPOSITION PA	MF	IND/ME/1036 APPENDIX B
18	CHEMICAL- EXPLOSIVES & PYROTECHNICS	COMPOSITION PA	Potassium perchlorate	IND/ME/1036 APPENDIX D

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19	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Composition priming	Barium Peroxide	IND/ME/934 APPENDIX-B4:
20	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Composition priming	Charcoal	IND/ME/934 APPENDIX-B2
21	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Composition priming	Mg Powder	IND/ME/934 APPENDIX-B3
22	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Composition priming	Zn Stearate	IND/ME/934 APPENDIX-B1
23	CHEMICAL- EXPLOSIVES & PYROTECHNICS	COMPOSITION S-1	Antimony Sulphide	IND/ME/795(c) APPENDIX-C.4.3
24	CHEMICAL- EXPLOSIVES & PYROTECHNICS	COMPOSITION S-1	APC (above 100%)	IND/ME/795(c) APPENDIX-C1:
25	CHEMICAL- EXPLOSIVES & PYROTECHNICS	COMPOSITION S-1	Barium Chromate	IND/ME/795(c) APPENDIX-C.4.2
26	CHEMICAL- EXPLOSIVES & PYROTECHNICS	COMPOSITION S-1	Potassium PerChlorate	IND/ME/795(c) APPENDIX-C.3.1
27	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Composition SR 372 AB	Bees Wax	JSS:1365-42 - METHOD B:
28	CHEMICAL- EXPLOSIVES & PYROTECHNICS	COMPOSITION SR-269 (M)	Potassium Nitrate	JSS-1365-11 APPENDIX B
29	CHEMICAL- EXPLOSIVES & PYROTECHNICS	COMPOSITION SR-269(M)	Hexachloroethane	JSS-1365-11 APPENDIX B
30	CHEMICAL- EXPLOSIVES & PYROTECHNICS	COMPOSITION Z-103	Lead Chromate	IND/ME/940 APPENDIX-B
31	CHEMICAL- EXPLOSIVES & PYROTECHNICS	DENTEX	Aluminium Content	ERDL/HEI/PS/137 APPENDIX 1
32	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Dentex	RDX	ERDL/HEI/PS/137 APPENDIX 1
33	CHEMICAL- EXPLOSIVES & PYROTECHNICS	FIRST FIRECHARGE NO. 4	VOLATILE MATTER	IND/ME/992 APPENDIX A
34	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder	Moisture Content	JSS-1376-05 APPENDIX B
35	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder Sulphur Free	Moisture Content	JSS-1376-06 APPENDIX B
36	CHEMICAL- EXPLOSIVES & PYROTECHNICS	INITIATORY COMPOSITION NO.48	MOISTURE CONTENT	IND/ME/931 APPENDIX A
37	CHEMICAL- EXPLOSIVES & PYROTECHNICS	INITIATORY COMPOSITION NO.66	MOISTURE CONTENT	IND/ME/932 APPENDIX A

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38	CHEMICAL- EXPLOSIVES & PYROTECHNICS	INITIATORY COMPOSITION NO.69	MOISTURE CONTENT	IND/ME/933 APPENDIX A
39	CHEMICAL- EXPLOSIVES & PYROTECHNICS	ME-101	MOISTURE CONTENT	JSS:1365-40 APPENDIX A
40	CHEMICAL- EXPLOSIVES & PYROTECHNICS	ME-412	VOLATILE MATTER	IND/ME/820 METHOD 1(a) JSG 0112
41	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Mercury Fulminate	Fulminate Content as Mercury Fulminate	JSS : 1376-07:(REV.NO.4) APPENDIX-J
42	CHEMICAL- EXPLOSIVES & PYROTECHNICS	PN-196	Charcoal	IND/ME/391(a) APPENDIX-A II
43	CHEMICAL- EXPLOSIVES & PYROTECHNICS	PN-196	Potassium chlorate (KClO3)	IND/ME/391(a) APPENDIX-A
44	CHEMICAL- EXPLOSIVES & PYROTECHNICS	RD-1302	Lead styphnate	JSS-1375-06:(REV.NO.) APPENDIX B:
45	CHEMICAL- EXPLOSIVES & PYROTECHNICS	RD-1302	Moisture Content	JSS-1375-06:(REV.NO.) APPENDIX A:
46	CHEMICAL- EXPLOSIVES & PYROTECHNICS	RD-1303	Lead styphnate	JSS-1375-06:(REV.NO.3) APPENDIX B:
47	CHEMICAL- EXPLOSIVES & PYROTECHNICS	RD-1303	Moisture Content	JSS-1375-06(REV.NO.3) APPENDIX-A
48	CHEMICAL- EXPLOSIVES & PYROTECHNICS	RD-1337	Total DNR content	IND/ME/752APPENDIX-B
49	CHEMICAL- EXPLOSIVES & PYROTECHNICS	S-243	VOLATILE MATTER	IND/ME/993 APPENDIX A
50	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Service Lead Azide	Lead Azide Content	JSS: 1376-09:(Rev No. 4) APPENDIX-B
51	CHEMICAL- EXPLOSIVES & PYROTECHNICS	TORPEX 4A	RDX	IND/ME/1014 APPENDIX B
52	CHEMICAL- EXPLOSIVES & PYROTECHNICS	V-11	VOLATILE MATTER	IND/ME/1017 7.3.1
53	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Acetone	Acidity in g/100 ml	IS 170 : 2004 (Fourth Rev.)ANNEXURE “A ANNEXURE“ C
54	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Acetone	Residue on evaporation	IS 170 : 2004 (Fourth Rev.)ANNEXURE A
55	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Aluminium Powder Heavy Grade-1	Apparent Density	JSS-1370-03(Rev No.4) Appendix J

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56	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Aluminium Powder Heavy Grade-1	Moisture Content	JSG-0112 Method 1(a)
57	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Alumino Ferric Gr.4	Insoluble Matter	IS-299-Clause No.A- 3
58	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Antimony Sulphide	Total Antimony	JSS-6710-71 APPENDIX B
59	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Antimony Sulphide	Total Sulphur	JSS 6810-71 APPENDIX A
60	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Antimony Sulphide	Volatile Matter	JSG-0112 METHOD 1(A)
61	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Barium Chromate	Barium Chromate Content	IND/ME/794(b) APPENDIX-B
62	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Barium Chromate	Volatile matter	JSG-0112 METHOD 1(b)
63	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Barium Chromate	Water soluble Chloride	JSG-0112 METHOD- 7(b)
64	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Barium Chromate	Water soluble matter	JSG-0112 METHOD -3
65	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Barium Nitrate Gr.1	Barium Nitrate Content	JSS-6810-56 APPENDIX C
66	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Barium peroxide Gr-I	Barium peroxide content (BaO2)	JSS 6810 -96 (REV .NO.3) APPENDIX C:
67	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Barium peroxide Gr-I	Total barium compound soluble in HCl as (Ba)	JSS 6810-96(REV.NO.3) APPENDIX B:
68	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Barytes	Matter Soluble in Water	JSG-0112 METHOD 3
69	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Barytes	Moisture content % by mass	JSG-0112 METHOD 1-a
70	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Bleaching powder	Available chlorine	IS- 1065 ANNEX. (A-2)
71	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Borax	pH value	IS-1109 (APPENDIX-A-12
72	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Borax	Sodium Tetra- Borate decahydrate % by mass	IS - 1109 (APPENDIX-A-2
73	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Calcium Silicide	Apparent Density	JSS-6810-107 APPENDIX H
74	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Calcium Silicide	Moisture Content	JSG-0112 METHOD 1(A)

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75	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Casein for Ammunition	Ash Content	JSG-0112-Method No.2 A
76	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Casein for Ammunition	Chloride as Sodium Chloride	JSG-0112-Method No 7(b)
77	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Casein for Ammunition	Moisture Content	JSG-0112-Method 1A
78	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Casein for Ammunition	Sulphate as Sodium Sulphate	JSG-0112-METHOD 8
79	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Copper sulphate	Copper % by mass	IS 261 (APPENDIX A-2):
80	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Ferrosilicon	Moisture Content	JSG-0112 METHOD 1(A)
81	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Ferrosilicon	Water Soluble Matter	JSG-0112 METHOD 3
82	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Graphite DrySulphur Free	Ash	JSS 9620-01(REV.NO.3)APPENDIXD
83	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Graphite DrySulphur Free	Matter soluble in cold water	JSS 9620-01(REV.NO.3)APPENDIXA
84	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Graphite DrySulphur Free	Matter soluble in ethyl ether	JSS 9620-01(REV.NO.3)APPENDIXA
85	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Graphite DrySulphur Free	Volatile matter	JSG-0112 METHOD 1(a)
86	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Hydrochloric Acid Technical Gr.	Sulphate as Sulphuric Acid	IS- 265 ANNEXURE-D
87	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Hydrochloric Acid Technical Gr.	Total Acidity	IS 265 ANNEXURE:B
88	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Kaolin	Loss on ignition	JSG-0112 METHOD 2a
89	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Kaolin	V.M. content	JSG-0112 METHOD 1a
90	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Lead acetate (Normal)	Chloride calculated as lead chloride	JSG-0112 METHOD 7b
91	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Lead Ferrocyanide	Iron Content	IND/ME/769 APEENDIX D
92	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Lead Ferrocyanide	Lead Content	IND/ME/769 APPENDIX C
93	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Lead Ferrocyanide	Volatile Matter	IND/ME/769 APPENDIX A

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94	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Magnesium Carbonate Heavy	Bulk Density	JSS-6810-83 APPENDIX C
95	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Magnesium Carbonate Heavy	Residue on Ignition	JSG-0112 METHOD NO2(A)
96	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Magnesium Carbonate Heavy	Volatile Matter	JSG - 0112 METHOD - 1(A)
97	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Magnesium Carbonate Heavy	Water Soluble Matter	JSG-0112 METHOD 3
98	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Magnesium Powder	Apparent Density IS-2	IS-2307 ANNEXB
99	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Mercury	Metallic mercury	IND/ME/21(a) APPENDIX -A
100	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Parrafin Wax Special	Ash Content	JSG-0112-METHOD 2A
101	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Pitch Coal Tar	Ash, per cent by mass	JSG-0112 METHOD 1b
102	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Pot. Nitrate Gr.I	Matter insoluble in water	IS 301-APPENDIXB(3)
103	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Potassium ChlorateTech. Gr-I	Insoluble matter	IS- 708 APPENDIXA- 5
104	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Potassium ChlorateTech. Gr-I	Moisture	IS 708 APPENDIXA- 4
105	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Potassium ChlorateTech. Gr-I	pH value	IS 708 APPENDIXA- 3
106	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Potassium ChlorateTech. Gr-I	Purity	IS 708 APPENDIXA- 7
107	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Potassium Nitrate Gr.I	Chloride	IS 301 - APPENDIXB(9)
108	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Potassium Nitrate Gr.I	Moisture content	IS 301- APPENDIXA
109	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Potassium Nitrate Gr.I	Sulphate	IS 301-APPENDIXB(12)
110	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Potassium per chlorate	Sulphate as K2SO4	JSG-0112 METHOD 8
111	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red Lead	Matter soluble in water	IS 8063 APPENDIXA- 3
112	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red Lead	Purity	IS 8063 APPENDIXA- 6

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113	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red Lead	Volatile matter	IS 8063 APPENDIXA- 2
114	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Refined Beeswax	Ash Content	IS-4028 APPENDIX A-8
115	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Silica Gel	Loss on Drying	IS-3401-ANNEX A
116	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Silica Gel	Sulphate as Sodium Sulphate	IS-3401-AnnexE-6
117	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Silver Nitrate Pure & Analytical reagent	Silver Nitrate as AgNO3	IS - 2214 APPENDIX-A-2
118	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Soda Ash Technical	Chloride	IS 251- ANNEXURE-C(6)
119	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Soda Ash Technical	Matter insoluble in water	IS 251- ANNEXURE-C(4)
120	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Soda Ash Technical	Sulphate	IS 251- ANNEXURE-C(5)
121	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Soda Ash Technical	Total alkalinity	IS 251- ANNEXURE-C(3)
122	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Soda Ash Technical	Volatile matter	IS 251- ANNEXURE-B
123	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium meta bisulphite	Matter insoluble in water	IS- 248-APPENDIXA- 4
124	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium meta bisulphite	pH of 5 % solution	IS- 248-APPENDIX - A-3
125	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium meta bisulphite	Purity % by mass	IS- 248- APPENDIX - A-2
126	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Nitrate Gr.I	Matter Insoluble In Water	JSG-0112 METHOD 4
127	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Nitrate Gr.I	Volatile Matter	JSG0112 METHOD 1(A)
128	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Nitrite Tech.	Matter insoluble in Water	JSS:6810- 104(Rev No.4) APPENDIX - C
129	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Nitrite Tech.	Sodium Nitrite(NaNO2) Content	JSS - 6810-104 (Rev No.4)APPENDIX - B
130	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Strontium Nitrate	Moisture	IS-5671-APPENDIX A-3
131	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Strontium Nitrate	Water Soluble Chlorides as NaCl	IS-5671- APPENDIX A-7

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132	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulphur Gr. - I	Ash on incineration	JSG-0112 METHOD - 2(a):
133	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulphur Gr. - I	Sulphur content	JSS-6810- 103 APPENDIX-B
134	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulphur Gr. - I	V.M. content	JSG-0112 METHOD -1(a)
135	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulphuric Acid Technical Gr. A.R. Grade	Total Acidity(as H2SO4)	IS 266 ANNEXUREA- 2
136	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Wax Shellac Ammn	Ash Content	IND/ME/164(B)
137	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Wax Shellac Ammn	Matter insoluble in Benzene	IND/ME/164 (b)
138	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Zinc Oxide	Loss on Ignition	JSS-6810-82- Appendix A
139	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Zinc Oxide	Matter Soluble in Water	JSG 0112 METHOD NO.3
140	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Zinc Oxide	Volatile Matter	JSG-0112-METHOD 1A
141	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Zirconium Hydride Powder	Assay	IS-12437 Clause A2
142	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Zirconium Hydride Powder	Volatile Matter	IS-12437 Clause A3
143	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Zirconium Metal Powder	Assay	IS-12437 Clause A2
144	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Zirconium Metal Powder	Volatile Matter	IS-12437 Clause A3
145	CHEMICAL- LAC AND LAC PRODUCTS	APC-2	Red Oxide of Iron	JSS-8030-14- Appendix D
146	CHEMICAL- LAC AND LAC PRODUCTS	APC-2	Volatile Matter	JSS-8030-14- Appendix C
147	CHEMICAL- LAC AND LAC PRODUCTS	APC-201	Ash Content % by Mass	JSS-8010-63(REV.NO.4)APPENDIXB
148	CHEMICAL- LAC AND LAC PRODUCTS	APC-201	Total Non-Volatile Matter % by Mass	JSS-8010-63(Rev. 4)APPENDIX-A
149	CHEMICAL- LAC AND LAC PRODUCTS	APC-202	Ash Content % by Mass	JSS-8010-63(Rev. 4)APPENDIX-B
150	CHEMICAL- LAC AND LAC PRODUCTS	APC-202	Total Non-Volatile Matter % by Mass	JSS-8010-63(Rev. 4)APPENDIX-A

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151	CHEMICAL- LAC AND LAC PRODUCTS	APC-211	Ash Content % by Mass	JSS-8010-63(Rev. 4)APPENDIX-B
152	CHEMICAL- LAC AND LAC PRODUCTS	APC-211	Total Non-Volatile Matter% by Mass	JSS-8010-63(Rev. 4)APPENDIX-A
153	CHEMICAL- LAC AND LAC PRODUCTS	APC-212	Ash Content % by Mass	JSS-8010-63(Rev. 4)APPENDIX-B
154	CHEMICAL- LAC AND LAC PRODUCTS	APC-212	Total Non-Volatile Matter % by Mass	JSS-8010-63(Rev. 4)APPENDIX-A
155	CHEMICAL- LAC AND LAC PRODUCTS	APC-218	Ash Content % by Mass	JSS-8010-63(Rev. 4)APPENDIX-B
156	CHEMICAL- LAC AND LAC PRODUCTS	APC-218	Total Non-Volatile Matter %by Mass	JSS-8010-63(Rev. 4)APPENDIX-A
157	CHEMICAL- LAC AND LAC PRODUCTS	APC-219	pH	JSS-8010-48(Rev.No 3) APPENDIX-E
158	CHEMICAL- LAC AND LAC PRODUCTS	APC-219	Total Solid	JSS-8010-48(Rev. No.3)APPENDIX-A
159	CHEMICAL- LAC AND LAC PRODUCTS	APC-221	Ash Content % by Mass	IS-101: PART8: SEC3
160	CHEMICAL- LAC AND LAC PRODUCTS	APC-221	Volatile Matter % by Mass	IS-101:PART2:SEC2
161	CHEMICAL- LAC AND LAC PRODUCTS	APC-222	Ash Content % by Mass	JSS-8010-63(Rev. 4)APPENDIX-B
162	CHEMICAL- LAC AND LAC PRODUCTS	APC-222	Total Non-Volatile Matter % by Mass	JSS-8010-63(Rev. 4)APPENDIX-A
163	CHEMICAL- LAC AND LAC PRODUCTS	APC-223	Ash Content % by Mass	JSS-8010-63(Rev. 4)APPENDIX-B
164	CHEMICAL- LAC AND LAC PRODUCTS	APC-223	Total Non-Volatile Matter % by Mass	JSS-8010-63(Rev. 4)APPENDIX-A
165	CHEMICAL- LAC AND LAC PRODUCTS	APC-224	Ash Content % by Mass	JSS-8010-63(Rev. 4)APPENDIX-B
166	CHEMICAL- LAC AND LAC PRODUCTS	APC-224	Total Non-Volatile Matter % by Mass	JSS-8010-63(Rev. 4)APPENDIX-A
167	CHEMICAL- LAC AND LAC PRODUCTS	APC-225	ASH CONTENT	JSS - 8010-63 APPENDIX B
168	CHEMICAL- LAC AND LAC PRODUCTS	APC-225	Total Non-VM	JSS - 8010-63 APPENDIX A
169	CHEMICAL- LAC AND LAC PRODUCTS	APC-226	Ash Content % by Mass	JSS-8010-63(Rev. 4)APPENDIX-B

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY ASSURANCE LABORATORY, ORDNANCE FACTORY KHAMARIA, JABALPUR, MADHYA PRADESH, INDIA

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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
170	CHEMICAL- LAC AND LAC PRODUCTS	APC-226	Total Non-Volatile Matter % by Mass	JSS-8010-63 (REV.NO.4)APPENDIX-A
171	CHEMICAL- METALS & ALLOYS	Ferrous Alloys(a) Lowalloy Steel (b)Plain Carbon steel	Carbon(C)	ASTM-E 415
172	CHEMICAL- METALS & ALLOYS	Ferrous Alloys(a) Lowalloy Steel (b)Plain Carbon steel	Chromium(Cr)	ASTM-E 415
173	CHEMICAL- METALS & ALLOYS	Ferrous Alloys(a) Lowalloy Steel (b)Plain Carbon steel	Manganese(Mn)	ASTM-E 415
174	CHEMICAL- METALS & ALLOYS	Ferrous Alloys(a) Lowalloy Steel (b)Plain Carbon steel	Molybdenum(Mo)	ASTM-E 415
175	CHEMICAL- METALS & ALLOYS	Ferrous Alloys(a) Lowalloy Steel (b)Plain Carbon steel	Nickel(Ni)	ASTM-E 415
176	CHEMICAL- METALS & ALLOYS	Ferrous Alloys(a) Lowalloy Steel (b)Plain Carbon steel	Phosphorus(P)	ASTM-E 415
177	CHEMICAL- METALS & ALLOYS	Ferrous Alloys(a) Lowalloy Steel (b)Plain Carbon steel	Silicon(Si)	ASTM-E 415
178	CHEMICAL- METALS & ALLOYS	Ferrous Alloys(a) Lowalloy Steel (b)Plain Carbon steel	Sulphur(S)	ASTM-E 415
179	CHEMICAL- METALS & ALLOYS	Ferrous Alloys(a) Lowalloy Steel (b)Plain Carbon steel	Vanadium(V)	ASTM-E 415
180	CHEMICAL- METALS & ALLOYS	Non Ferrous (Aluminium & its Alloy)	Chromium(Cr)	ASTM- 1251
181	CHEMICAL- METALS & ALLOYS	Non Ferrous (Aluminium & its Alloy)	Copper(Cu)	ASTM- 1251
182	CHEMICAL- METALS & ALLOYS	Non Ferrous (Aluminium & its Alloy)	Iron(Fe)	ASTM- 1251
183	CHEMICAL- METALS & ALLOYS	Non Ferrous (Aluminium & its Alloy)	Magnesium(Mg)	ASTM- 1251
184	CHEMICAL- METALS & ALLOYS	Non Ferrous (Aluminium & its Alloy)	Manganese(Mn)	ASTM- 1251
185	CHEMICAL- METALS & ALLOYS	Non Ferrous (Aluminium & its Alloy)	Nickel(Ni)	ASTM- 1251
186	CHEMICAL- METALS & ALLOYS	Non Ferrous (Aluminium & its Alloy)	Silicon(Si)	ASTM- 1251
187	CHEMICAL- METALS & ALLOYS	Non Ferrous (Aluminium & its Alloy)	Titanium(Ti)	ASTM- 1251
188	CHEMICAL- METALS & ALLOYS	Non Ferrous (Aluminium & its Alloy)	Zirconium(Zn)	ASTM- 1251

SCOPE OF ACCREDITATION

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189	CHEMICAL- METALS & ALLOYS	Non Ferrous (Copper & its Alloy)	Lead(Pb)	BS EN- 15079
190	CHEMICAL- METALS & ALLOYS	Non Ferrous (Copper & its Alloy)	Phosphorus(P)	BS EN- 15079
191	CHEMICAL- METALS & ALLOYS	Non Ferrous (Copper & its Alloy)	Zinc(zn)	BS EN- 15079
192	CHEMICAL- METALS & ALLOYS	Non Ferrous (Copper & its Alloy)	Aluminium(Al)	BS EN- 15079
193	CHEMICAL- METALS & ALLOYS	Non Ferrous (Copper & its Alloy)	Iron(Fe)	BS EN- 15079
194	CHEMICAL- METALS & ALLOYS	Non Ferrous (Copper & its Alloy)	Manganese(Mn)	BS EN- 15079
195	CHEMICAL- METALS & ALLOYS	Non Ferrous (Copper & its Alloy)	Nickel(Ni)	BS EN- 15079
196	CHEMICAL- PAINTS & SURFACE COATING	Paint R/M A/D Light Grey or Admiralty Grey	Viscosity by Ford Cup B-4	IS- 101(PART1/SEC5)
197	CHEMICAL- PAINTS & SURFACE COATING	Paint R/M A/D Light Grey or Admiralty Grey	Water Content	IS-101(PART 2/ SEC1)
198	CHEMICAL- PAINTS & SURFACE COATING	Paint R/M A/D Light Grey or Admiralty Grey	Weight in Kg/10 Lit	IS:101(PART 1 /SEC 7)
199	CHEMICAL- PAINTS & SURFACE COATING	Paint Ready Mixed Air drying Brushing Paint Olive Green, Paint Deep Bronze Green, Paint Light Brunswick Green	Mass in Kg Per 10 Litres	IS-101(PART I / SEC VII))
200	CHEMICAL- PAINTS & SURFACE COATING	Paint Ready Mixed Air drying Brushing Paint Olive Green, Paint Deep Bronze Green, Paint Light Brunswick Green	Viscosity by Flow Cup No. 4	IS-101 (PART 1 / SEC V)
201	CHEMICAL- PAINTS & SURFACE COATING	Paint Ready Mixed Air drying Brushing Paint Olive Green, Paint Deep Bronze Green, Paint Light Brunswick Green	Water Content	IS 101(PART II/SEC I)
202	CHEMICAL- PAINTS & SURFACE COATING	Paint Red Signal	Viscosity by Ford Cup B-4	IS- 101(PART1/SEC5)
203	CHEMICAL- PAINTS & SURFACE COATING	Paint Red Signal	Wt in Kg per 10 ltr.	IS-101(PART I / SEC VII))
204	CHEMICAL- SOAP DETERGENT & TOILETRIES	Soap curd	Fatty Acid	IND/SL/3021(d) APPENDIX-B
205	CHEMICAL- SOAP DETERGENT & TOILETRIES	Soap curd	Matter insoluble in Alcohol	IND/SL/3021(d) APPENDIX-D
206	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Box cloth all wool Melton finish	Determination of Moisture content	JSG-0114 METHOD 4
207	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Cotton textile for Ammunition	Ash content	IS-199 METHOD NO. 6

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
208	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Cotton textile for Ammunition	Chlorides as NaCl %	IS - 5088 APPENDIX-B-1
209	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Cotton textile for Ammunition	Sulphate	IS - 5088 APPENDIX-B-2
210	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Tape cotton proofed/un-proofed	Ash % by mass	JSG-0114 METHOD NO.10
211	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Tape cotton proofed/un-proofed	pH value	JSG-0114 METHOD 6
212	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Tape cotton proofed/un-proofed	Water soluble chlorides	JSG-0114 METHOD 7
213	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Tape cottonproofed/unproofed	Water soluble sulphates	JSG-0114 METHOD 8
214	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Wool Felt	Ash Content	IS-199
215	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous metals	% Elongation	IS 1608
216	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous metals	Hardness HV 10	IS-1501 (Part-1)
217	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous metals	Ultimate Tensile Strength	IS 1608