National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY,CORDITE FACTORY ARUVANKADU, THE NILGIRIS, COONOOR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7133 **Page No** 1 of 11

Validity 18/01/2023 to 17/01/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acetone	Acidity as CH3COOH	IS 170 Rev. V
2	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acetone	Alcoholic impurities	IS 170 Rev V
3	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acetone	Alkalinity	IS 170 Rev. V
4	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acetone	Colour, Pt-CO Scale	IS 170 Rev. V
5	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acetone	Distillation Range Dry point (DP)	IS 170 Rev. V
6	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acetone	Distillation Range Initial Boiling Point (IBP)	IS 170 Rev. V
7	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acetone	Permangate Test	IS 170 Rev. V
8	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acetone	Relative Density at 27/27 OC	IS 170 Rev. V
9	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acetone	Residue on Evaporation	IS 170 Rev. V
10	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acetone	Water Content	IS 170 Rev. V
11	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acid Nitric Explosive Grade	Residue on Ignition	IS 264 Rev. III
12	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acid Nitric Explosive Grade	Total Acidity as HNO3	IS 264 Rev. III
13	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acid Nitric Explosive Grade	Chlorides as Cl	IS 264 Rev. III
14	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acid Nitric Explosive Grade	Nitrous as HNO2	IS 264 Rev .III
15	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acid Nitric Explosive Grade	Sulphate as H2SO4	IS 264 Rev. III
16	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acid Oleum	Chlorides as Cl	IS 1089 Rev. II
17	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acid Oleum	Free SO3	IS 1089 Rev. II
18	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acid Oleum	Iron as Fe	IS 1089 Rev. II

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY,CORDITE FACTORY ARUVANKADU, THE NILGIRIS, COONOOR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7133 **Page No** 2 of 11

Validity 18/01/2023 to 17/01/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Acid Oleum	Residue on Ignition	IS 1089 Rev. II
20	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Calcium Carbonate for Explosive and Pyrotechnic Industry-Type II	Calcium Carbonate (as CaCO3) on Dry Basis	IS 7633 Rev. I
21	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Calcium Carbonate for Explosive and Pyrotechnic Industry-Type II	Chlorides as Cl	IS 7633 Rev. I
22	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Calcium Carbonate for Explosive and Pyrotechnic Industry-Type II	Iron as Fe	IS 7633 Rev. I
23	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Calcium Carbonate for Explosive and Pyrotechnic Industry-Type II	Loss on Drying	IS 7633 Rev. I
24	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Calcium Carbonate for Explosive and Pyrotechnic Industry-Type II	Total Water Soluble Matter	IS 7933 Rev. I
25	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Calcium Carbonate for Explosive and Pyrotechnic Industry-Type II	Water Soluble Alkali as Na2O	IS 7633 Rev. I
26	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Carbamite	Ash	JSS 6810 - 125 Rev.IV
27	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Carbamite	Setting Point	JSS 6810-125 Rev. IV
28	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Carbamite	Volatile Matter at 60 °C for 2 hours	JSS 6810-125 Rev. IV
29	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Di - Butyl Phthalate	Acidity as Phthalic Acid	IS 14421
30	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Di - Butyl Phthalate	Ester Value	IS 14421
31	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Di - Butyl Phthalate	Relative Density	IS 14421
32	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Di - Butyl Phthalate	Water Content	IS 14421
33	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Di - Ethyl Phthalate	Acidity as Phthalic Acid	IND/ME 873 (a)
34	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Di - Ethyl Phthalate	Ester Content	IND/ME 873 - A
35	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Di - Ethyl Phthalate	Relative Density at 27/27 °C	IND/ME 873 - A
36	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Di - Ethyl Phthalate	Water Content	IND/ME 873 - A
37	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Glycerine for Nitration	Chlorides as Cl	JSS 6810-109 Rev. IV

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY,CORDITE FACTORY ARUVANKADU, THE NILGIRIS, COONOOR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7133 **Page No** 3 of 11

Validity 18/01/2023 to 17/01/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
38	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Glycerine for Nitration	Fatty Acid and Esters as Na2O	JSS 6810-109 Rev. IV
39	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Glycerine for Nitration	Glycerol Content	JSS 6810-109 Rev. IV
40	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Glycerine for Nitration	Relative Density at 30/30 °C	JSS 6810-109 Rev. IV
41	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Glycerine for Nitration	Water Content	JSS 6810 - 109 Rev. IV
42	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Nitrocellulose (N2%12.6 ± 0.1) (Nitrocellulose Pyro)	Mineral Matter /Ash content on Dry Material	IND/ME 1013
43	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Nitrocellulose (N2%12.6 ± 0.1) (Nitrocellulose Pyro)	Nitrogen Content on Dry Material Free from Mineral Matter	IND/ME 1013
44	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Nitrocellulose Type 'B'	Alkalinity as CaCO3 on Dry Material	JSS 1376-10 Rev. III
45	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Nitrocellulose Type 'B'	Mineral Matter /Ash content on Dry Material	JSS 1376 -10 Rev. III
46	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Nitrocellulose Type 'B'	Nitrogen Content, Calculated on Dry Material Free from Mineral Matter	JSS 1376-10 Rev. III
47	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Nitrocellulose Type 'B'	Organic Matter Insoluble in Acetone Calculated on Dry Material	JSS 1376-10 Rev. III
48	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Nitrocellulose Type 'B'	Organic Matter, Soluble in Ether-Alcohol Calculated as Percent on Dry Material	JSS 1376-10 Rev. III
49	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Nitrocellulose Type 'B'	Sulphate Calculated as Sulphuric Acid on Dry Material	JSS 1376 - 10 Rev. III
50	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Nitroguanidine	Acidity Calculated as Sulphuric Acid	JSS 1376-03 Rev. III
51	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Nitroguanidine	Ash Content	JSS 1376-03 Rev. III
52	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Nitroguanidine	Nitroguanidine (Picrite) Content	JSS 1373-03 Rev. III
53	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Nitroguanidine	Nitroguanidine Content (Purity)	JSS 1376 - 03 Rev. III
54	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Nitroguanidine	Specific Surface (Particle Size)	JSS 1376-03 Rev. III

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY,CORDITE FACTORY ARUVANKADU, THE NILGIRIS, COONOOR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7133 **Page No** 4 of 11

Validity 18/01/2023 to 17/01/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
55	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Nitroguanidine	Sulphate Calculated as Sodium Sulphate (Na2SO4)	JSS 1376 - 03 Rev. III
56	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Nitroguanidine	Volatile Matter	JSS 1376-03 Rev. III
57	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Nitroguanidine	Water Insoluble Impurities	JSS 1376-03 Rev. III
58	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Potassium Nitrate Grade- I	Alkalinity	IS 301 Rev. II
59	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Potassium Nitrate Grade- I	Hygroscopicity at 27 ± 2 °C, RH - 90%	IS 301 Rev.II
60	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Potassium Nitrate Grade- I	Metallic Radicals other than Potassium & Sodium	IS 301 Rev. II
61	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Potassium Nitrate Grade- I	Moisture and Volatile Content	IS 301 Rev. II
62	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Potassium Nitrate Grade- I	Nitrities as KNO3	IS 301 Rev.II
63	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Potassium Sulphate Grade- I	Chlorides Calculated as KCl	JSS 6810-110 Rev. IV
64	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Potassium Sulphate Grade- I	Moisture Content at 105 °C	JSS 6810-110 Rev. IV
65	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Potassium Sulphate Grade- I	Potassium Sulphate Content	JSS 6810 - 110 Rev. IV
66	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Propellant AP/S 376-117	Volatile Matter	JSS 1376 - 12 Rev. I
67	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Propellant AP043	Volatile Matter	JSS 1376 - 12 Rev. I
68	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Propellant NQ/M 054	Volatile Matter	JSS 1376 - 13 Rev. II
69	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Propellant NQ/M 119	Volatile Matter	JSS 1376-13 Rev. II
70	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Propellant NQ/M 254	Volatile Matter	JSS 1376-13 Rev. II
71	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Propellant NQ/S 400-100	Volatile Matter	JSS 1376-13 Rev. II
72	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Soda Ash Commercial Grade	Bulk Density	C.F.39.0 Rev. I
73	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Soda Ash Commercial Grade	Chloride as NaCl	C.F.39.0 Rev. I

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY,CORDITE FACTORY ARUVANKADU, THE NILGIRIS, COONOOR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7133 **Page No** 5 of 11

Validity 18/01/2023 to 17/01/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
74	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Soda Ash Commercial Grade	Iron as Fe2O3	C.F.39.0 Rev. I
75	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Soda Ash Commercial Grade	Matter Insoluble in Water	C.F.39.1 Rev. I
76	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Soda Ash Commercial Grade	Sulphate as Na2SO4	C.F.39.0 Rev. I
77	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Soda Ash Commercial Grade	Total Alkalinity as Na2CO3	C.F.39.0 Rev. I
78	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Soda Ash Commercial Grade	Volatile Matter content	C.F.39.0 Rev. I
79	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Soda Ash Technical Grade	Bulk Density	IS 251
80	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Soda Ash Technical Grade	Chlorides as NaCl	IS 251
81	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Soda Ash Technical Grade	Iron as Fe2O3	IS 251
82	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Soda Ash Technical Grade	Matter Insoluble in Water	IS 251
83	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Soda Ash Technical Grade	Sulphate as Na2SO4	IS 251
84	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Soda Ash Technical Grade	Total Alkalinity as Na2CO3	IS 251
85	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Soda Ash Technical Grade	Volatile Matter Content	IS 251
86	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Sulphuric Acid	Iron as Fe	IS 266
87	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Sulphuric Acid	Residue on Ignition	IS 266
88	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Sulphuric Acid	Total Acidity as H2SO4	IS 266
89	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Biochemical Oxygen Demand (3 Days @ 27 °C)	IS 3025 (Part 44)
90	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Chemical Oxygen Demand	IS 3025 (Part 58)
91	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Chlorides	IS 3025 (Part 32)
92	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	pH	IS 3025 (Part 11)

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY,CORDITE FACTORY ARUVANKADU, THE NILGIRIS, COONOOR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7133 **Page No** 6 of 11

Validity 18/01/2023 to 17/01/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
93	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Sulphates	IS 3025 (Part 24)
94	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Temperature	IS 3025 (Part 9)
95	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Total Dissolved Solids @ 103 -105 °C	IS 3025 (Part 16)
96	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Total Suspended Solid (103 - 105 °C)	IS 3025 (Part 17)
97	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Bleached Cotton Linter	Alphacellulose Content	JSS 8305 -014 Rev. V
98	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Bleached Cotton Linter	Copper Number	JSS 8305 -014 Rev. V
99	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Bleached Cotton Linter	Matter Soluble in 1% Boiling Alkali	JSS 8305 - 014 Rev. V
100	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Bleached Cotton Linter	Matter Soluble in 3% Boiling Alkali	JSS 8305 - 014 Rev. V
101	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Bleached Cotton Linter	Mineral Matter	JSS 8305 - 014 Rev. V
102	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Bleached Cotton Linter	Moisture Content	JSS 8305 - 014 Rev. V
103	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Thread Cotton Sewing	Ash on Incineration	JSS 8310-02 Rev. III
104	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Thread Cotton Sewing	Matter Soluble in Water Unproofed Material	JSS 8310 - 02 Rev. III
105	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Thread Cotton Sewing	Moisture for 2 hrs. at 103 - 105 °C	JSS 8310-02 Rev. III
106	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Thread Cotton Sewing	pH of Water Extract	JSS 8310-02 Rev. III
107	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Thread Cotton Sewing	Water Soluble Chlorides as NaCl	JSS 8310-02 Rev. III
108	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Thread Cotton Sewing	Water Soluble Sulphate as Na2SO4	JSS 8310 - 02 Rev. III
109	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Nitrocellulose (N2%12.6 ± 0.1) (Nitrocellulose Pyro)	Heat Test at 76.7°C ± 0.3°C	IND/ME 1013
110	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Nitrocellulose Type 'B'	B & J Stability Test at 132 ± 0.5 °C on Dry Material	JSS 1376 - 10 Rev. III

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY,CORDITE FACTORY ARUVANKADU, THE NILGIRIS, COONOOR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7133 **Page No** 7 of 11

Validity 18/01/2023 to 17/01/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nitrocellulose Type 'B'	Heat Test at 76.7 ± 0.3 °C	JSS 1376 - 10 Rev. III
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nitrocellulose Type 'B'	Pulping Finess (Settling Test)	JSS 1376 - 10 Rev. III
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant AP 043	Average External Diameter	JSS 1376 - 12 Rev. I
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant AP 043	Grains with External Diameter between ± 0.05 mm of the Achieved Average Diameter	JSS 1376 - 12 Rev. I
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant AP 043	Mass per 2540 mm Length	JSS 1376 - 12 Rev. I
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant AP 043	Relative Force	JSS 1376 - 12 Rev. I
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant AP/S 376-117	Average Annulus	JSS 1376 - 12 Rev. I
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant AP/S 376-117	Average External Diameter	JSS 1376 - 12 Rev. I
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant AP/S 376-117	Heat Test @71.1 ± 0.5 °C	JSS 1376 -12 Rev. I
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant AP/S 376-117	Internal Diameter	JSS 1376-12 Rev. I
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant AP/S 376-117	Mass per 2540 mm	JSS 1376 -12 Rev. I
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant AP/S 376-117	Mean Difference between 5 Heaviest and 5 Lightest Sticks per 254 mm	JSS 1376 -12 Rev. I
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant AP/S 376-117	Relative Force	JSS 1376-12 Rev. I
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant AP/S 376-117	Relative Vivacity	JSS 1376-12 Rev. I

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY,CORDITE FACTORY ARUVANKADU, THE NILGIRIS, COONOOR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7133 **Page No** 8 of 11

Validity 18/01/2023 to 17/01/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant AP/S 376-117	Sticks with Web between ± 0.1 mm of Achieved Average Web	JSS 1376 -12 Rev. I
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant AP043	Heat Test at 71.1 ± 0.5 °C	JSS 1376 - 12 Rev. I
127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant AP043	Mean Difference between 5 Heaviest and 5 Lightest Strand per 254 mm	JSS 1376 - 12 Rev. I
128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant AP043	Relative Vivacity	JSS 1376 - 12 Rev. I
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 054	Average External Diameter	JSS 1376 - 13 Rev. II
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 054	Average Hole Diameter	JSS 1376 - 13 Rev. II
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 054	Average Length	JSS 1376 - 13 Rev. II
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 054	Average Web	JSS 1376 - 13 Rev. II
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 054	Heat Test @ 65.5 ± 0.5 °C	JSS 1376-13 Rev. II
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 054	Relative Force	JSS 1376 - 13 Rev. II
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 054	Relative Vivacity	JSS 1376 - 13 Rev. II
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 119	Average External Diameter	JSS 1376-13 Rev. II
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 119	Average Hole Diameter	JSS 1376-13 Rev. II
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 119	Average Length	JSS 1376-13 Rev. II

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY,CORDITE FACTORY ARUVANKADU, THE NILGIRIS, COONOOR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7133 **Page No** 9 of 11

Validity 18/01/2023 to 17/01/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 119	Average Web	JSS 1376-13 Rev. II
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 119	Grains with Webs between ± 10% of the Achieved Average Web	JSS 1376 - 13 Rev. II
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 119	Heat at 65.5 ± 0.5 °C	JSS 1376-13 Rev. II
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 119	Ratio of Length to Diameter	JSS 1376-13 Rev. II
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 119	Ratio of the External Diameter to Mean Diameter of Hole	JSS 1376 - 13 Rev. II
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 119	Relative Force	JSS 1376-13 Rev. II
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 119	Relative Vivacity	JSS 1376 - 13 Rev. II
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 254	Average External Diameter	JSS 1376 - 13 Rev. II
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 254	Average Hole Diameter	JSS 1376-13 Rev. II
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 254	Average Length	JSS 1376 - 13 Rev. II
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 254	Average Web	JSS 1376-13 Rev. II
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 254	Heat Test @ 65.5 ± 0.5 °C	JSS 1376 - 13 Rev. II
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 254	Relative Force	JSS 1376-13 Rev. II
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/M 254	Relative Vivacity	JSS 1376-13 Rev. II

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY,CORDITE FACTORY ARUVANKADU, THE NILGIRIS, COONOOR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7133 **Page No** 10 of 11

Validity 18/01/2023 to 17/01/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/S 400-100	Sticks with Annulus between ± 10% of the Achieved Mean Annulus	JSS 1376-13 Rev. II
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/S 400-100	Average Annulus	JSS 1376-13 Rev. II
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/S 400-100	Average External Diameter	JSS 1376-13 Rev. II
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/S 400-100	Average Internal Diameter	JSS 1376-13 Rev. II
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/S 400-100	Heat Test at 65.5 ± 0.5 °C	JSS 1376-13 Rev. II
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/S 400-100	Mass per 2540 mm	JSS 1376-13 Rev. II
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/S 400-100	Mean Difference between 5 Heaviest and 5 Lightest Sticks per 254 mm	JSS 1376-13 Rev. II
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/S 400-100	Relative Force	JSS 1376 - 13 Rev. II
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Propellant NQ/S 400-100	Relative Vivacity	JSS 1376-13 Rev. II
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Triple Base Propellant for 155 mm BMCS	Average Centre Hole	CQA(ME)/2960/BMCS/7
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Triple Base Propellant for 155 mm BMCS	Average External Diameter	CQA(ME)/2960/BMCS
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Triple Base Propellant for 155 mm BMCS	Average Length	CQA(ME)/2960/BMCS/7
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Triple Base Propellant for 155 mm BMCS	Average Outer Hole	CQA(ME)/2960/BMCS/7
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Triple Base Propellant for 155 mm BMCS	Average Web	CQA(ME)/2960/BMCS/7

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	QUALITY CONTROL LABORATORY,CORDITE FACTORY ARUVANKADU, THE NILGIRIS, COONOOR, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7133	**Page No**	11 of 11
Validity	18/01/2023 to 17/01/2025	**Last Amended on**	-

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Triple Base Propellant for 155 mm BMCS	Relative Force	CQA(ME)/2960/BMCS/7
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Triple Base Propellant for 155 mm BMCS	Relative Vivacity	CQA(ME)/2960/BMCS/7