National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CONTROLLERATE OF QUALITY ASSURANCE (MILITARY EXPLOSIVE), AUNDH ROAD, KHADKI, PUNE, MAHARASHTRA, 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
LOCATION 1-AUNDH ROAD, KHADKI, PUNE, MAHARASHTRA, INDIA Permanent Facility				
1	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Aluminium Powder Heavy Grade 1	Apparent Density	JSS 1370-03:2014(Rev No.3)/ Appendix-J
2	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Aluminium Powder Heavy Grade 1	Copper and Compounds of Copper	JSS 1370-03:2014(Rev No.3)/ Appendix-C
3	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Aluminium Powder Heavy Grade 1	Free Metallic Aluminium	JSS 1370-03:2014(Rev No.3)/ Appendix-H
4	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Aluminium Powder Heavy Grade 1	Gritty Matter	JSG 0112:2015, Rev No.2, Method 6
5	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Aluminium Powder Heavy Grade 1	Iron & Compounds of Iron	JSS 1370-03:2014(Rev No.3)/ Appendix-D
6	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Aluminium Powder Heavy Grade 1	Magnesium & Compounds of Magnesium	JSS 1370-03:2014(Rev No.3)/ Appendix-F
7	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Aluminium Powder Heavy Grade 1	Matter soluble in Ether	JSS 1370-03:2014(Rev No.3)/ Appendix-A
8	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Aluminium Powder Heavy Grade 1	Metallic Impurities other than Aluminium	JSS 1370-03:2014(Rev No.3)/ Appendix-G
9	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Aluminium Powder Heavy Grade 1	pH of Water Extract	JSG 0112:2015, Rev No.2, Method 5(b)
10	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Aluminium Powder Heavy Grade 1	Silicon and Compounds of Silicon (Other than grit)	JSS 1370-03:2014(Rev No.3)/ Appendix-B:
11	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Aluminium Powder Heavy Grade 1	Volatile Matter at 105±2 deg C	JSG 0112:2015, 1(a), Rev No.2, Method 1A
12	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Aluminium Powder Heavy Grade 1	Zinc & Compounds of Zinc	JSS 1370-03:2014(Rev No.3)/ Appendix-E
13	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Ammunition Protective Compositions	Adhesion and Finish	JSS 8010-63:2016, Rev No.4, Appendix-D
14	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Ammunition Protective Compositions	Ash Content	JSS 8010-63:2016(Rev No. 4), Appendix-B
15	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Ammunition Protective Compositions	Iodine Value	JSS 8010-63:2016, Rev No. 4, Appendix C
16	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Ammunition Protective Compositions	Total non volatile matter	JSS 8010-63:2016(Rev No. 4), Appendix-A
17	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE Crystalline	Melting Point	JSS 1375-01:2016, Rev No.3, Appendix E
18	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE Crystalline	Vacuum Stability Test	JSS 1375-01:2016, Rev No.3, Appendix G

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19	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE Crystalline	Volatile Matter	JSS 1375-01:2016, Rev No.3, Appendix A
20	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE Granulated	Vacuum Stability Test	JSS 1375-01:2016, Rev No.3, Appendix G
21	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Double Base Propellants	Abels Heat Test	JSG 0116:2018 (Rev No.1), Method 501
22	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Double Base Propellants	Bergmann & Junk Test	JSG 0116:2018 (Rev No.1), Method 503
23	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Double Base Propellants	Bulk Density	JSG 0116-2018, Rev No.1, Method 404
24	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Double Base Propellants	Calorimetric Value	JSG 0116:2018 (Rev No.1), Method 401
25	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Double Base Propellants	Carbamite	JSG 0116:2018 (Rev No.1), Method 209/210/211
26	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Double Base Propellants	Density	JSG 0116-2018, Rev No.1, Method 403
27	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Double Base Propellants	Dutch Test	JSG 0116:2018 (Rev No.1), Method 504
28	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Double Base Propellants	External Dia	JSG 0116-2018, Rev No.1, Method 607
29	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Double Base Propellants	Internal Dia	JSG 0116-2018, Rev No.1, Method 610
30	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Double Base Propellants	Length	JSG 0116-2018, Rev No.1, Method 606
31	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Double Base Propellants	Methyl Violet Test	JSG 0116:2018 (Rev No.1), Method 502
32	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Double Base Propellants	Volatile Matter	JSG 0116:2018 (Rev No.1), Method 104/105/106
33	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Double Base Propellants	Web/annulus	JSG 0116-2018, Rev No.1, Method 610
34	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder	Charcoal	JSS 1376-05:2014, Rev No.3, Appendix P
35	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder	Mass of residue on flashing	JSS 1376-05:2014, Rev No.3, Appendix H
36	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder	Moisture	JSS 1376-05:2014, Rev No.3, Appendix B
37	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder	Potassium Nitrate	JSS 1376-05:2014, Rev No.3, Appendix P

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38	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Gun Powder	Sulphur	JSS 1376-05:2014, Rev No.3, Appendix P
39	CHEMICAL- EXPLOSIVES & PYROTECHNICS	RDX	Melting Point	JSS 1376-01:2015 (Rev No.4), Appendix C
40	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Single Base Propellant	Dutch Test	JSG 0116:2018 (Rev No.1), Method 504
41	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Single Base Propellants	Abels Heat Test	JSG 0116:2018 (Rev No.1), Method 501
42	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Single Base Propellants	Bergmann & Junk Test	JSG 0116:2018 (Rev No.1), Method 503
43	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Single Base Propellants	Bulk Density	JSG 0116-2018, Rev No.1, Method 404
44	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Single Base Propellants	Calorimetric Value	JSG 0116:2018 (Rev No.1), Method 401
45	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Single Base Propellants	Density	JSG 0116-2018, Rev No.1, Method 403
46	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Single Base Propellants	Diphenyl Amine	JSG 0116:2018 (Rev No.1), Method 208/210/211
47	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Single Base Propellants	External Dia	JSG 0116-2018, Rev No.1, Method 607
48	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Single Base Propellants	Internal Dia	JSG 0116-2018, Rev No.1, Method 610
49	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Single Base Propellants	Length	JSG 0116-2018, Rev No.1, Method 606
50	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Single Base Propellants	Methyl Violet Test	JSG 0116:2018 (Rev No.1), Method 502
51	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Single Base Propellants	Total Volatile Matter	JSG 0116:2018 (Rev No.1), Method 105/106
52	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Single Base Propellants	Web/annulus	JSG 0116-2018, Rev No.1, Method 610
53	CHEMICAL- EXPLOSIVES & PYROTECHNICS	TNT	Acidity as H2SO4	JSS 1376-02:2017, Rev No.5, Appendix B
54	CHEMICAL- EXPLOSIVES & PYROTECHNICS	TNT	Moisture Content	IS 2362-63
55	CHEMICAL- EXPLOSIVES & PYROTECHNICS	TNT	Setting Point	JSS 1376-02:2017, Rev No.5, Appendix A
56	CHEMICAL- EXPLOSIVES & PYROTECHNICS	TNT	Vacuum Stability Test	JSS 1376-02:2017 (Rev No.5), Appendix-H

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57	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Triple Base Propelalnts	Density	JSG 0116-2018, Rev No.1, Method 403
58	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Triple Base Propelalnts	Internal Dia	JSG 0116-2018, Rev No.1, Method 610
59	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Triple Base Propellants	Abels Heat Test	JSG 0116:2018 (Rev No.1), Method 501
60	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Triple Base Propellants	Bergmann & Junk Test	JSG 0116:2018 (Rev No.1), Method 503
61	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Triple Base Propellants	Calorimetric Value	JSG 0116:2018 (Rev No.1), Method 401
62	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Triple Base Propellants	Carbamite	JSG 0116:2018 (Rev No.1), Method 209/210/211
63	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Triple Base Propellants	Dutch Test	JSG 0116:2018 (Rev No.1), Method 504
64	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Triple Base Propellants	External Dia	JSG 0116-2018, Rev No.1, Method 607
65	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Triple Base Propellants	Length	JSG 0116-2018, Rev No.1, Method 606
66	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Triple Base Propellants	Methyl Violet Test	JSG 0116:2018 (Rev No.1), Method 502
67	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Triple Base Propellants	Volatile Matter	JSG 0116:2018 (Rev No.1), Method 104/105/106
68	CHEMICAL- EXPLOSIVES & PYROTECHNICS	Triple Base Propelllants	Web/annulus	JSG 0116-2018, Rev No.1, Method 610
69	CHEMICAL- PAINTS & SURFACE COATING	Paint R/M Priming R.O Zinc Chrome Ammn, A/D	Protection against corrosion under condensation	IS 101 Pt-6 Sec 1
70	CHEMICAL- PAINTS & SURFACE COATING	Paint R/M Priming Red Oxide Zinc Chrome Ammn, A/D, M/F	Flash Point	IS 101 Pt -1 Sec 6
71	CHEMICAL- PAINTS & SURFACE COATING	Paint R/M Priming Red Oxide Zinc Chrome Ammn, A/D, M/F	Mass in kg per 10 litre	IS 101 Pt -1 Sec 7
72	CHEMICAL- PAINTS & SURFACE COATING	Paint R/M Priming Red Oxide Zinc Chrome Ammn, A/D, M/F	Viscosity	IS 101 Part 1,Sec-5
73	CHEMICAL- PAINTS & SURFACE COATING	Paint R/M Priming Red Oxide Zinc Chrome Ammn, A/D, M/F	Water Content	IS 101 Pt 2 Sec 1
74	CHEMICAL- PAINTS & SURFACE COATING	R/M, A/D Paints for General Purpose, all colours	Flash Point	IS 101 Pt 1 Sec 6
75	CHEMICAL- PAINTS & SURFACE COATING	R/M, A/D Paints for General Purpose, all colours	Mass in kg per 10 litre	IS 101 Pt 1 Sec 7

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76	CHEMICAL- PAINTS & SURFACE COATING	R/M, A/D Paints for General Purpose, all colours	Protection against corrosion under condensation	IS 101 Pt 6 Sec 1
77	CHEMICAL- PAINTS & SURFACE COATING	R/M, A/D Paints for General Purpose, all colours	Viscosity	IS 101 Part-1 Sec-5
78	CHEMICAL- PAINTS & SURFACE COATING	R/M, A/D Paints for General Purpose, all colours	Water Content	IS 101 Pt 1 Sec 1
79	CHEMICAL- PLASTIC & RESINS	ABS	Ash Content	JSG 0112:2015 (Rev No.2), Method No. 2(A)
80	CHEMICAL- PLASTIC & RESINS	ABS	Chloride as NaCl	JSG 0112:2015 (Rev No.2), Method No. 7(B)
81	CHEMICAL- PLASTIC & RESINS	ABS	Sulphates as Sodium Sulphate	JSG 0112:2015 (Rev No.2), Method No. 8
82	CHEMICAL- PLASTIC & RESINS	ABS	Vicat Softening Point	ASTM-D-1525-2000
83	CHEMICAL- PLASTIC & RESINS	HDPE	Ash Content	JSG 0112:2015 (Rev No 2), Method No.2(A)
84	CHEMICAL- PLASTIC & RESINS	HDPE	Chloride as NaCl	JSG 0112:2015 (Rev No.2), Method No. 7(B)
85	CHEMICAL- PLASTIC & RESINS	HDPE	pH	JSG 0112:2015 (Rev No.2), Method No. 5(B)
86	CHEMICAL- PLASTIC & RESINS	HDPE	Sulphate as Sodium Sulphate	JSG 0112:2015 (Rev No.2), Method No. 8
87	CHEMICAL- PLASTIC & RESINS	LDPE	Ash Content	JSG 0112:2015 (Rev No.2), Method No. 2(A)
88	CHEMICAL- PLASTIC & RESINS	LDPE	Chloride as NaCl	JSG 0112:2015 (Rev No.2), Method No. 7(B)
89	CHEMICAL- PLASTIC & RESINS	LDPE	pH	JSG 0112:2015 (Rev No.2), Method No. 5(B)
90	CHEMICAL- PLASTIC & RESINS	LDPE	Sulphates as Sodium Sulphate	JSG 0112:2015 (Rev No.2), Method No. 8
91	CHEMICAL- PLASTIC & RESINS	LLDPE	Ash Content	JSG 0112:2015 (Rev No.2), Method No. 2(A)
92	CHEMICAL- PLASTIC & RESINS	LLDPE	Chloride as NaCl	JSG 0112:2015 (Rev No.2), Method No. 7(B)
93	CHEMICAL- PLASTIC & RESINS	LLDPE	pH	JSG 0112:2015 (Rev No.2), Method No. 5(B)
94	CHEMICAL- PLASTIC & RESINS	LLDPE	Sulphates as Sodium Sulphate	JSG 0112:2015 (Rev No.2), Method No. 8

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95	CHEMICAL- PLASTIC & RESINS	Moulding Powder Moulded Plastic Phenolic	Chloride as NaCl	JSG 0112:2015 (Rev No.2), Method No. 7(B)
96	CHEMICAL- PLASTIC & RESINS	Moulding Powder Moulded Plastic Phenolic	pH	JSG 0112:2015 (Rev No.2), Method No. 5(B)
97	CHEMICAL- PLASTIC & RESINS	Moulding Powder Moulded Plastic Phenolic	Sulphates as Sodium Sulphate	JSG 0112:2015 (Rev No.2), Method No. 8
98	CHEMICAL- PLASTIC & RESINS	Nylon 6	Melting Point	BS 2782, Method 103C
99	CHEMICAL- PLASTIC & RESINS	Nylon 66	Melting Point	BS 2782, Method 103C
100	CHEMICAL- PLASTIC & RESINS	Phenolic Moulding Powder Glass Filled	Free Ammonia Content	IS 867-1963, Clause 16
101	CHEMICAL- PLASTIC & RESINS	Polycarbonate	Melting Point	ARDE/Specn/535
102	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Cloth Cambric Bleached or Dyed and Cloth Calico Bleached	Ash Content	IS 199
103	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	cloth cambric bleached or dyed and cloth calico bleached	pH	IS 1390
104	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Cloth Cambric Bleached or Dyed and Cloth Calico Bleached	pH	IS 1390: (Rev No. 2)
105	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Cloth Cambric Bleached or Dyed and Cloth Calico Bleached	Water Extractable Matter	IS 3456
106	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Cloth Cambric Bleached or Dyed and Cloth Calico Bleached	Water Soluble Chloride as NaCl	IS 5088
107	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	ABS	Melt Flow Index	ASTM-D-1238
108	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	ABS	Specific Gravity	ASTM-D-792: Method A1
109	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE	Density	BS 2782, Part 6, Method 620A
110	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE	Melt Flow Index	ASTM-D-1238:2013
111	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	LDPE	Density	BS 2782, Part 6, 1980, Method 620A
112	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	LDPE	Melt Flow Index	ASTM-D-1238
113	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	LLDPE	Density	BS 2782, Part 6, 1980, Method 620A

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114	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	LLDPE	Melt Flow Index	ASTM-D-1238:2013
115	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Nylon 66	Density	BS-2782:2000, Method 509A
116	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Phenolic Moulding Powder Glass Filled	Density	IS-867 Clause 6
117	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polycarbonate	Melt Flow Index	ASTM-D-1238
118	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polycarbonate	Specific Gravity	ASTM-D-792:2013
119	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Teflon	Density	ASTM-D-792:2013
120	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Teflon	Hardness Shore-D	ASTM-D-2240:2015
121	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Acrylonitrile Butadiene Rubber	Compression Set	IS 3400, Part 10
122	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Acrylonitrile Butadiene Rubber	Volume Change	IS 3400, Part 6, 2018, Rev No.4
123	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Neoprene (vulcanised chloroprene rubber)	Compression Set	BS 903 A-6, Appendix A
124	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Neoprene (vulcanised chloroprene rubber)	Volume Change	BS 903 A-6, Appendix-16

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LOCATION 2 - INITIATORY COMPOSITION AT CQA (ME) CELL AT AFK, KHADK, PUNE, MAHARASHTRA, INDIA Permanent Facility				
1	CHEMICAL- EXPLOSIVES & PYROTECHNICS	A1 Composition	Estimation of Mercury Fulminate	IND/ME/348(b), Appendix-C
2	CHEMICAL- EXPLOSIVES & PYROTECHNICS	ABRIC-50	Estimation of Tetrazene	IND/ME/1029, Appendix-C
3	CHEMICAL- EXPLOSIVES & PYROTECHNICS	C-Zech	Estimation of Lead Styphnate	IND/ME/766(b), Appendix-C
4	CHEMICAL- EXPLOSIVES & PYROTECHNICS	C-Zech	Estimation of Tetrazene	IND/ME/766(b), Appendix-C
5	CHEMICAL- EXPLOSIVES & PYROTECHNICS	E1 Mix	Estimation of Mercury Fulminate	IND/ME/476(b), Appendix-C
6	CHEMICAL- EXPLOSIVES & PYROTECHNICS	F1 Composition	Estimation of Mercury Fulminate	IND/ME/599(a), Appendix-C
7	CHEMICAL- EXPLOSIVES & PYROTECHNICS	FA 956	Estimation of Lead Styphnate	IND/ME/960(a), Appendix-C
8	CHEMICAL- EXPLOSIVES & PYROTECHNICS	FA 956	Estimation of PETN	IND/ME/960(a), Appendix-C
9	CHEMICAL- EXPLOSIVES & PYROTECHNICS	FA 956	Estimation of Tetrazene	IND/ME/960(a), Appendix-C
10	CHEMICAL- EXPLOSIVES & PYROTECHNICS	L-Mix	Estimation of 2:4 LDNR	IND/ME/1019, Appendix-B
11	CHEMICAL- EXPLOSIVES & PYROTECHNICS	L-Mix	Estimation of Tetrazene	IND/ME/1019, Appendix-A
12	CHEMICAL- EXPLOSIVES & PYROTECHNICS	ME 302	Estimation of Lead Styphnate	IND/ME/686(c), Appendix-B
13	CHEMICAL- EXPLOSIVES & PYROTECHNICS	ME 302	Estimation of Tetrazene	IND/ME/686(c), Appendix-C
14	CHEMICAL- EXPLOSIVES & PYROTECHNICS	VH2 Composition	Estimation of Composition RD 1303	IND/ME/874(a), Appendix-B
15	CHEMICAL- EXPLOSIVES & PYROTECHNICS	VH2 Composition	Estimation of Tetrazene	IND/ME/874(a), Appendix-B