National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MIL - HIGH EXPLOSIVES FACTORY LABORATORY, KHADKI, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11157 **Page No** 1 of 5

Validity 16/11/2022 to 15/11/2024 **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- ATMOSPHERIC POLLUTION	Ambient air	NITROGEN OXIDE	IS 5182 (Part 6) METHOD 3
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur dioxide	IS 5182 (Part 2) METHOD 3
3	CHEMICAL- EXPLOSIVES & PYROTECHNICS	2:4 DNR	DINITRO RESORCINIL % BY MASS	JSS - 6810 - 127 (REV. NO.3) Appendix B
4	CHEMICAL- EXPLOSIVES & PYROTECHNICS	BASIC LEAD AZIDE	LEAD AZIDE CONTENT % BY MASS	IND / ME 916(Prov)2003 Appendix B
5	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE cryatalline dense	Sieving	JSS -1375-01-016(REV2.) APPENDIX H
6	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE crystalline Dense	Acidity as HNO3	JSS -1375-01-016(REV2.) APPENDIX D
7	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE crystalline dense	Matter Insoluble in Benzene	JSS -1375-01 (REV2) APPENDIX B
8	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE crystalline dense	Melting Point	JSS -1375-01-016(REV2.) APPENDIX E
9	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE crystalline dense	Vacuum stability test at 120 °C for 40 hours	JSS -1375-01-016(REV2.) APPENDIX G
10	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE Crystalline dense	VOLATILE MATTER %	JSS -1375-01 (REV2.) APPENDIX A
11	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE GRANULATED 1.18 MM / 150 MM (14 / 100 BSS)	Matter insoluble in Acetone	JSS - 1375 - 01 (REV. 2) APPENDIX - C
12	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE GRANULATED 1.18 MM / 150 MM (14 / 100 BSS)	Sieving :90 - 100% RETENTION ON 150 MICRONS	JSS - 1375 - 01 (REV. 2) APPENDIX - H
13	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE GRANULATED 1.18 MM / 150 MM (14 / 100 BSS)	Volatile matter	JSS - 1375 – 01 (REV. 2) APPENDIX - A
14	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE GRANULATED 1.18 MM / 150 MM (14 / 100 BSS)	Sieving :100 % PASSING THROUGH 1.18 MICRON	JSS - 1375 - 01 (REV. 2) APPENDIX - H
15	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE GRANULATED 425 MICRONS / 150 MICRONS (36 / 100)	Matter insoluble in Acetone	JSS - 1375 - 01 (REV. 2) APPENDIX C
16	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE GRANULATED 425 MICRONS / 150 MICRONS (36 / 100)	Sieving : RETENTION ON 150 MICRONS	JSS - 1375 - 01 (REV. 2) APPENDIX H
17	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE GRANULATED 425 MICRONS / 150 MICRONS (36 / 100)	Sieving :100 % PASSING THROUGH 425 MICRONS	JSS - 1375 - 01 (REV. 2) APPENDIX H
18	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE GRANULATED 425 MICRONS / 150 MICRONS (36 / 100)	Volatile Matter	JSS - 1375 - 01 (REV. 2) APPENDIX A

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19	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE wet gran	Acidity as HNO3	JSS -1375-01 (REV. 2) APPENDIX D
20	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE Wet Gran	Matter insoluble in Acetone	JSS -1375-01 (REV. 2) APPENDIX C
21	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE wet gran	Matter insoluble in Benzene	JSS -1375-01 (REV. 2) APPENDIX B
22	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE wet gran	Melting Point	JSS -1375-01 (REV. 2) APPENDIX E
23	CHEMICAL- EXPLOSIVES & PYROTECHNICS	CE wet Gran	Vacuum stability test 120°C for 40 hours	JSS -1375-01 (REV. 2) APPENDIX G
24	CHEMICAL- EXPLOSIVES & PYROTECHNICS	DiNitroToluene (DNT)	Acidity as H2SO4	JSS 1376 – 04 (REV. 3) APPENDIX E
25	CHEMICAL- EXPLOSIVES & PYROTECHNICS	DiNitroToluene (DNT)	Matter insoluble in Benzene	JSS 1376 – 04 (REV. 3) APPENDIX D
26	CHEMICAL- EXPLOSIVES & PYROTECHNICS	DiNitroToluene (DNT)	Setting point	JSS 1376 – 04 (REV. 3) APPENDIX B
27	CHEMICAL- EXPLOSIVES & PYROTECHNICS	DiNitroToluene (DNT)	Sulphated ash	JSS 1376 – 04 (REV. 3) APPENDIX C
28	CHEMICAL- EXPLOSIVES & PYROTECHNICS	DiNitroToluene (DNT)	Volatile matter	JSS 1376 – 04 (REV. 3) APPENDIX A
29	CHEMICAL- EXPLOSIVES & PYROTECHNICS	LEAD AZIDE (SERVICE)	LEAD AZIDE CONTENT % BY MASS	JSS-1376-09 (REV NO. 4) APPENDIX b
30	CHEMICAL- EXPLOSIVES & PYROTECHNICS	LEAD STYPHNATE (ME 300)	LEAD STYPHNATE CONTENT % BY MASS	JSS-1375-06 (REVISION NO. 3) DC NO.5182 ME DT.19.03.14 Appendix B
31	CHEMICAL- EXPLOSIVES & PYROTECHNICS	MERCURY FULMINATE	FULMINATE CONTENT CALCULATE AS MERCURY FULMINATE % BY MASS	JSS-1376-07 (REV. NO. 4) DC NO. 6149 ME DT. 10.05.21
32	CHEMICAL- EXPLOSIVES & PYROTECHNICS	RD 1308	COMBINED DNR CONTENT %	IND/ME/578 (b) -1977 DC No. 3754-ME DT.12/12/2002 Appendix B
33	CHEMICAL- EXPLOSIVES & PYROTECHNICS	RD 1337	TOTAL DNR% BY MASS	IND/ME/752.DC.NO.3754 ME DT.12/12/2002 Method of testing B
34	CHEMICAL- EXPLOSIVES & PYROTECHNICS	TriNitroToluene (TNT)	Acidity as H2SO4	JSS - 1376 - 02 (REV – 4) APPENDIX - B
35	CHEMICAL- EXPLOSIVES & PYROTECHNICS	TriNitroToluene (TNT)	Moisture content	IS 2362

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36	CHEMICAL- EXPLOSIVES & PYROTECHNICS	TriNitroToluene (TNT)	Organic matter insoluble in Toluene	JSS - 1376 - 02 (REV – 4) APPENDIX - D
37	CHEMICAL- EXPLOSIVES & PYROTECHNICS	TriNitroToluene (TNT)	Particle size	JSS - 1376 - 02 (REV – 4) APPENDIX – G
38	CHEMICAL- EXPLOSIVES & PYROTECHNICS	TriNitroToluene (TNT)	Setting point	JSS - 1376 - 02 (REV – 4) APPENDIX -A
39	CHEMICAL- EXPLOSIVES & PYROTECHNICS	TriNitroToluene (TNT)	Sulphated ash	JSS - 1376 - 02 (REV – 4) APPENDIX -C
40	CHEMICAL- EXPLOSIVES & PYROTECHNICS	TriNitroToluene (TNT)	Total Sodium as Na%	JSS - 1376 - 02 (REV – 4) APPENDIX - F
41	CHEMICAL- EXPLOSIVES & PYROTECHNICS	WET LEAD STYPHNATE	LEAD STYPHNATE CONTENT % BY MASS	JSS-1375-06 (REVISION NO. 3) DC NO. .5182 ME DT.19.03.14
42	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Acetic Acid	Acetic acid content	CLAUSE A- 2 IS - 695 REV : 3
43	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Acetic acid	Crystallizing point	IS - 695 REV : 3 CLAUSE A - 3
44	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Amino Guanidine Bicarbonate (AGBC)	Purity as AGBC	JSS - 6810 - 40 (REVISION : 2) APPENDIX - A
45	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Amino Guanidine Bicarbonate (AGBC)	Sulphated ash content	JSS- 0112 METHOD NO 2(b)
46	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Amino Guanidine Sulphate (AGS)	Ash Content	JSG - 0112 - 1991 METHOD 2 (a)
47	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Amino Guanidine Sulphate (AGS)	Melting Point	IND / ME / 986 (PROV) APPENDIX - B
48	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Amino Guanidine Sulphate (AGS)	pH of 15.2% aqueous solution	JSG - 0112 - 1991 METHOD 5 (b)
49	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Amino Guanidine Sulphate (AGS)	Zinc content	IND / ME / 986 (PROV) APPENDIX - E
50	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Caustic Soda	CAUSTIC SODA AS NaOH	IS - 252 CLAUSE A – 4
51	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Caustic Soda	SODIUM CARBONATE AS Na2CO3	IS - 252 CLAUSE A - 3
52	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Copper Sulphate	Copper Content	IS - 261 CLAUSE A – 2
53	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Copper Sulphate	pH OF 5 % AQUEOUS EXTRACT	IS - 261 CLAUSE A – 5
54	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Hydrochloric acid	Total acidity as HCl content	IS - 265 CLAUSE B – 2

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55	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Magnesium Sulphate	Magnesium Sulphate as MgSO4	IS - 2730A - 2, SOP / LAB / 28 dtd 26.07.17
56	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Nitric Acid	Nitrous acid as HNO2	IS - 264 CLAUSE A – 7
57	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Nitric Acid	Total acidity as HNO3	IS - 264 CLAUSE A – 2
58	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Oleum	Free SO3	IS 1089
59	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red Fuming Nitric Acid (RFNA)	Oxides of Nitrogen	DRDL / TTD / DOC / P / C /009 (REV-4) CLAUSE (iii) OF 4.4
60	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Red Fuming Nitric Acid (RFNA)	Total acidity as HNO3	DRDL / TTD / DOC / P / C /009 (REV-4) CLAUSE (ii) OF 4.4
61	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Soda ash	Purity or Total alkalinity as Na2CO3	IS - 251 CLAUSE C – 3
62	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium bisulphite	pH of 5% solution	IS - 248 CLAUSE A – 3
63	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Bisulphite	Purity as SO2 Content	IS - 248 CLAUSE A – 2
64	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Hypochlorite	Available Chlorine content	IS -11673 CLAUSE A – 3
65	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Nitrite	Sodium Nitrite content	JSS - 6810 - 104, IS - 879 APPENDIX “B”
66	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Sulphate	pH of 10% aqueous solution	IS - 255 CLAUSE A – 9
67	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Sulphate	Sodium Sulphate content as Na2SO4	IS - 255 CLAUSE A - 3
68	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Sulphite	pH of aqueous solution	IS-247 CLAUSE A – 4
69	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Sulphitte	Sodium Sulphite content	IS - 247 CLAUSE A- 2
70	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium Thiosulphate	pH of 10% aqueous solution	IS - 246 CLAUSE A - 3
71	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sodium thiosulphate	Sodium thiosulphate content	IS - 246 CLAUSE A - 2
72	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Styphnic acid	Moisture content	JSS- 6810-49 (REV : 3) APPENDIX A
73	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Styphnic acid	matter insoluble in Benzene	JSS- 6810-49 (REV : 3) APPENDIX D (i)

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74	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Styphnic Acid	Melting point	JSS- 6810-49 (REV : 3) APPENDIX C
75	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Styphnic Acid	Sulphates as Na2SO4	JSS- 6810-49- (REV : 3) APPENDIX F
76	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Sulphuric Acid	Total acidity as H2SO4	IS - 266 CLAUSE A – 2
77	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Ammonical Nitrogen	IS - 3025 (PT -34)
78	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Biological Oxygen Demand (BOD) (@ 27 deg C for 3 days)	IS - 3025 (PT- 44)
79	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Chemical Oxygen Demand (COD)	IS - 3025 (PT- 58)
80	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Dissolved Oxygen	IS - 3025(PT -38)
81	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Oil & Grease	IS - 3025 (PT- 39)
82	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	pH of sample	IS - 3025 (PT. - 2)
83	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Suspended solids	IIS - 3025 (PT - 17)