

<b>Laboratory</b>	<b>Test Labs, Controllerate of Naval Armament Inspection (East), NAD (Post), Visakhapatnam, Andhra Pradesh</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>24.10.2014</b>
<b>Certificate Number</b>	<b>T-1690</b>	<b>Valid Until</b>	<b>23.10.2016</b>
<b>Last Amended on</b>	<b>-</b>	<b>Page</b>	<b>1 of 1</b>

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<b>I. EXPLOSIVES &amp; PYROTECHNICS</b>				
1.	<b>Low Explosives</b>	<b>Propellants</b> Abel Heat Test Volatile Matter % Methyl Violet Test Bergman & Junk Test  Dutch Stability Test % Moisture in Gun Powder	JSS : 1376-11/1996 JSS : 1376-11/1996 JSS : 1376-11/1996 JSS : 1376-11/1996  JSS: 1376-11/1996 JSS: 1376-05/1994	Upto 60 Minute Upto 5 Upto 80 minute Upto 8.5 ml  Upto 5 % Upto 5 %
2.	<b>Non Explosive Stores</b>	% of Non Volatile Matter of APC No. 202  Ash % of APC. No. 202 Height of the button test APC No. 7 Consistency mean diameter of APC No.7 Flow Test APC No. 7 Lutting MK 7 RD 1178	JSS 8010-1963, Appendix 'A'  JSS: 8010-1963, Appendix 'B' JSS: 8030-19 JSS: 8030-19 JSS: 8030-19	Upto 100  Upto 1 Upto 15 mm 28 mm to 44 mm Upto 50 mm
<b>II. LUBRICANTS</b>				
1.	<b>Oils (POL)</b>	Flash Point by Pensky & Martin closed cup App  Flash Point by Cleave-land Open cup App  % of water content by Dean Stark Method  Kinematic Viscosity  Relative Density of Oil	IS 1448 (Part 66): 1969  IS 1448 (Part 21): 1970  IS 1448 (Part 40): 1987  IP 249/70 IP 71/75	Ambient to 300 °C  Ambient to 300 °C  Upto 2 ml  1 cSt to 25 cSt 0.7 to 1.0

-X-X-X-X-X-X-X-X-X-X-X-X-