

**Laboratory** Explosive Test Facility, Naval Armament Inspectorate, Karanja, Naval Station Karanja, NAD (PO), Uran (TQ), Navi Mumbai, Maharashtra

**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Chemical Testing **Issue Date** 02.01.2015

**Certificate Number** T-2362 **Valid Until** 01.01.2017

**Last Amended on** - **Page** 1 of 1

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<b>1.</b>	<b>EXPLOSIVE &amp; PYROTECHNICS</b>			
<b>1</b>	<b>Propellants</b>	Abel Heat Test	NAI(K)/ SOP/ETF/ 01-04 & JSG0116: Quality Assurance Instruction on Propellant	5 minutes to 30 minutes
		Methyl Violet Test		20 minutes to 80 minutes
		Bergmann & Junk Test		0.5 ml/ 5g to 15.0 ml/ 5g
		Volatile Matter		0.1 % to 5.0 %
<b>2</b>	<b>Gun Powder</b>	% Moisture Content	NAI(K)/SOP/ETF/11 & JSS 1376-05:2005	0.1 % to 5.0 %
<b>3.</b>	<b>TNT</b>	Vacuum Stability Test	NAI(K)/SOP/ ETF/ 05,07 & 10 & JSS 1376-02:2004	0.5 ml/ 5g to 10.0 ml/5g
		Acidity		0.0005 % to 5.0 %
		Set Point		80 °C to 80.8 °C
<b>4.</b>	<b>CE</b>	Vacuum Stability Test	NAI(K)/SOP/ ETF/ 05,09 & 06 & JSS 1375-01:1993	0.5 ml/ 5g to 12 ml/ 5g
		Acidity		0.0005 % to 5.0 %
		Melting Point		100 °C to 350 °C
<b>5.</b>	<b>RDX</b>	Vacuum Stability Test	NAI(K)/SOP/ETF/ 05, 08 & 06 & JSS 1375-01:1993	0.5 ml/ 5g to 12 ml/ 5g
		Acidity		0.0006 % to 5.0 %
		Melting Point		100 °C to 350 °C

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

**Malancha Das**  
Convenor

**N. Venkateswaran**  
Program Manager