

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02</b> <b>Issue Date: 18/08/20</b> <b>Rev. No: 07</b> <b>LAB 009</b>
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## **Accreditation No: LAB 009**

**Awarded to**

### **Explosives Chemical Laboratories (XL), Pakistan Ordnance Factories, Wah Cantt, Pakistan**

The scope of accreditation is in accordance with the standard specifications outlined in the following page(s) of this document. The accredited scope shall be visible and legible in areas such as customer service, sample-receiving section etc and shall not mislead its users.

The accreditation was first time granted on **18-04-2005** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO/IEC 17025:2017**.

The accreditation requires regular surveillance, and is valid until **10-01-2025**.

The decision of accreditation made by Pakistan National Accreditation Council implies that the organization has been found to fulfill the requirements for accreditation within the scope.

The organization however, itself is responsible for the results of performed measurements/tests.

**PAKISTAN NATIONAL ACCREDITATION COUNCIL**

**17-10-2022**  
**Date**

**-Sd-**  
**Director General**

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**Testing Laboratory.**

Accreditation Scope of **Explosives Chemical Laboratories (XL),  
Pakistan Ordnance Factories, Wah Cantt., Pakistan**

Permanent laboratory premises

**E-05/1 Explosives Factories, POF Wah Cantt.**

Materials/Products tested	Testing field (Chemical/Physical/Stability Testing testing)	Types of test/ Properties measured	Reference to standardized method (MIL-STD 286C,13 October-2010)
<b>Propellant Type</b>  <b>NC-1055</b>	Chemical	Nitroglycerin	208.1.3
		Diphenylamine	201.1.4
		Potassium Bitartrate	310.3.1
		Graphite	308.1.4
		Di.amylphthalate (By Difference)	204.1.2
		Nitrocellulose (By Difference)	209.2.1
		Volatile Matter	101.2.2
		Moisture	101.5
		Ash	106.1.2 & 106.2.3
	Physical	Specific Gravity	510.1.1
		Length (Average)	504.6.1
		Diameter (Average)	504.6.1
	Stability	Methyl Violet Test	404.1.2

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Materials/Products tested	Testing field (Chemical/Physical/ Stability Testing testing)	Types of test/ Properties measured	Reference to standardized method (MIL-STD 286C,13 October-2010)
<b>Propellant Type</b>  <b>NC-1111</b>	<b>Chemical</b>	Nitroglycerin	208.1.3
		Niteocellulose + Graphite (By Difference)	209.2.1
		Potassium Nitrate	310.3.1
		Volatile Matter	101.2.2
		Moisture	101.5
		Ash	106.1.2 & 106.2.3
	<b>Physical</b>	Specific Gravity	510.1.1
		Length (Average)	504.6.1
		Width (Average)	504.6.1
		Thickness (Average)	504.6.1
	<b>Stability</b>	Methyl Violet Test	404.1.2

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Materials/Products tested	Testing field (Chemical/Physical/ Stability Testing testing)	Types of test/ Properties measured	Reference to standardized method (MIL-STD 286C,13 October-2010)
<b>Propellant Type P-2</b>	Chemical	Nitroglycerin	208.1.3
		Potassium Nitrate	310.3.1
		Graphite	308.1.4
		Niteocellulose	209.2.1
		Volatile Matter	101.2.2
		Moisture	101.5
		Ash	106.1.2 & 106.2.3
	Physical	Length (Average)	504.6.1
		Diameter (Average)	504.6.1
	Stability	Methyl Violet Test	404.1.2

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Materials/Products tested	Testing field (Chemical/Physical/ Stability Testing testing)	Types of test/ Properties measured	Reference to standardized method (MIL-STD 286C,13 October-2010)
<b>Propellant Type P-3</b>	Chemical	Nitroglycerin	208.1.3
		Potassium Nitrate	310.3.1
		Niteocellulose	209.2.1
		Graphite	308.1.4
		Volatile Matter	101.2.2
		Moisture	101.5
		Ash	106.1.2 & 106.2.3
		Specific Gravity	510.1.1
	Physical	Length (Average)	504.6.1
		Diameter (Average)	504.6.1
Stability	Methyl Violet Test	404.1.2	
<b>Propellant 30mm</b>	Chemical	Diphenylamine	201.1.4
	Physical	Length (Average)	504.6.1

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Date

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Director