Accreditation No: LAB 011

Awarded to

POF Material Testing Laboratory (PMT Labs),
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 **10-01-2028.**

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

14-04-2025
Date

-SD-
Director General

Testing Laboratory.

Accreditation Scope of M/s **POF Material Testing Labs. (PMTL), Wah Cantt, Pakistan**.

Permanent laboratory premises X

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Plain Carbon Steel	**Chemical Testing**	1. Carbon content	Combustion method using Strohlein apparatus
		2. Manganese content	By the peroxydisulfate-arsenite titrimetric method based on ASTM-E350
		3. Sulphur content	By evolution method based on ASTM-E30
		4. Phosphorus content	By Alkalimeteric method based on ASTM-E30
		5. Silicon content	By the Gravimetric method based on ASTM-E350
Low alloy steel	**Chemical Testing**	6. Nickle content	By the Dimethylglyoxime Gravimetric Method based on ASTM-E350
		7. Chromium content	By the peroxydisulfate-oxidation-titration method based on ASTM-E350
Cartridge (70/30) Brass	**Chemical Testing**	8. Elemental analysis for following elements using Optical Emission (OBLF) Spectrometer: Cu Pb Fe Sn Ni Sb Bi As P Zn	TP # LSD/PR-7/TP-03/01 based on Equipment Operating Manual provided by the manufacturer

14-04-2025
Date

-Sd-
Director

Leaded Brass	**Chemical Testing**	9. Simultaneous analysis for Cu & Pb content	By electrolytic method based on ASTM- E36
		10. Analysis for Pb content	By electrolytic method based on ASTM- E36

Materials/Products tested	**Testing field (e.g. environmental testing or mechanical testing)**	**Types of test/ Properties measured**	**Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference**
Metallic materials	**Mechanical Testing**	11. Tensile test (UTS & Elong%)	ASTM-E-8 & E-8M
		12. Hardness (Vicker)	ASTM- E92
Fuel oils, Lube oils, suspensions of solids; liquids that tend to form a surface film under test conditions, drying oils and solvent types waxes	**Physical Testing**	13. Flash point test (Closed cup)	ASTM – D93
Any petroleum Oil	**Physical Testing**	14. Pour point (of petroleum oils)	ASTM- D97
Plain Carbon & Low Alloy Steel	**Chemical Testing**	15. Elemental analysis for following elements using Optical Emission (LAV-M-11) spectrometer: C. Mn. Si. S. P. Ni. Cr.	TP # LSD/PR-7/TP-03/02 based on Equipment operation manual supplied by the manufacturer.
Metallic Materials	**Mechanical Testing**	16. Hardness (Brinell)	ASTM-E10
	Metallographic Testing	17. Avg. Grain Size	ASTM-E112
Motor Gasoline	**Physical Testing**	18. Distillation Range	ASTM/D-86

14-04-2025
Date

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Director