

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 10/08/15 Rev. No: 07 LAB 011
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Accreditation No: LAB 011

Awarded to

Material Testing Laboratory, POF, 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 **10-01-2022**.

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

28-02-2020
Date

-sd-
Director General



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Testing Laboratory:

Accreditation Scope of : MTL, POF. Wah Cantt., Pakistan.
 Permanent laboratory premises:

Materials/Products tested	Testing field	Types of test/ Properties measured	Standard Specifications/ Techniques Used
Plain Carbon Steel	Chemical	Carbon content	Combustion method using Strohleim apparatus
		Mn content	By per sulphate method (V.A) based on ASTM-E30-56
		Sulphur content	By evolution method (V.A) based on ASTM-E30-56
		Phosphorus content	By Alkalimetric method (V.A) based on ASTM-E30-56
		Silicon content	By Hydrochloric acid method (G.A) based on G.E.F LUNDELL, Ph.D.
Low alloy steel		Nickle content	By Dimethyle glyoxime method (G.A) based on ASTM-E30-56
		Chromium content	By Per managanate method (V.A) based on G.E.F LUNDELL, Ph.D.
Cartridge (70/30) Brass		1. Elemental analysis for following elements using optical emission(Philips) Spectrometer Cu. Pb. Fe. Sn. Ni. Sb. Bi. As. P. Zn.	W.I # : POF/QSD/ML-11/WI-12 based on Equipment operation manual supplied by the manufacturer.

29-03-2019
 Date

SD
 Director



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Cartridge (70/30) Brass	Chemical	2. Elemental analysis for following elements using optical emission (OBLF) spectrometer: Cu. Pb. Fe. Sn. Ni. Sb. Bi. As. P. Zn.	W.I#:POF/QSD/ML-11/WI-11 based on Equipment operation manual supplied by the manufacturer.
Leaded Brass		Simultaneous analysis for Cu & Pb content.	By electrolytic method (G.A) based on ASTM-E36-45
		Analysis for Pb. Content	By electrolytic method (G.A) based on ASTM-E36-45
Metallic Materials	Mechanical	Tensile test	ASTM-Pt-10 (A370)
		Hardness	ASTM Pt. 10, E92-72
Plastics		Vicat softening Temperature	ASTM- D1525
Rubber		IRHD	ASTM- D1415
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	Flash point test (Closed cup)	ASTM – D93-80
Any petroleum Oil		Pour point(of petroleum oils)	ASTM- D97-66
Motor gasoline		Distillation range	ASTM –D 86-82

29-03-2019
Date

SD
Director