

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 059</b>
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**Accreditation No: LAB-059**

**Awarded to**

**QAD Laboratory  
Peoples Steel Mills Ltd.  
Karachi, 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 **09-01-2013** 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 **27-03-2025**

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**

01-08-22  
Date

Sd  
Director General

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## Testing Laboratory

Accreditation Scope of QAD Laboratory of Peoples Steel Mills Ltd. Karachi,  
Pakistan

Permanent laboratory premises

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
<b>Metallic Materials</b>	1-Chemical test by Optical Emission Spectrometer	Elemental Analysis Al, As, B, C, Co, Cr, Cu, Mn, Mo, Ni, P, S, Si, Sn, Ti, V and W	ASTM- E-1009, E 415
	2-Gas Analysis	Carbon Sulphur, Oxygen, Nitrogen and Hydrogen	ASTM- E1019,
	3-Mechanical Testing	Tensile Test Yield Test % elongation Reduction Area Bend Test. HRC, HB, HRB Impact test	ASTM E10, E18, E23, A 370, ISO6892-1, ISO6506, ISO6508
	4- Metallographic Testing	Grain size, metals & oxide coating thickness, microstructure of graphite (flakes), Depth of Decarburization, Micro Hardness(HVN)	ASTM E3, 407, E340, E112, E384, E1077, A247, B48758
	5-Wet Chemical Analysis	Fe Mn (H/C) Fe Cr (H/C)	ASTM- E31, E363

01-08-2022

Date

Sd

Director