

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02 Issue Date: 10/08/15 Rev. No: 07 LAB 098</b>
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**Accreditation No: LAB 098**

**Awarded to**

**Technical Services Centre (TSC), PSQCA  
125-A, Industrial Area, Kot Lakhpat  
Lahore - 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 **25-11-2015** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO/IEC 17025:2005**.

The accreditation requires regular surveillance, and is valid until **24-11-2021**.

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**

**04-01-2019**

Date

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Director General

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**Testing Laboratory.**

Accreditation Scope of Technical Services Centre (TSC), PSQCA, 125-A, Industrial Area, Kot Lakhpat, Lahore - 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
Metallic Materials	Mechanical Testing	Charpy Pendulum Impact Test at ambient temp V-Notch impact specimen	ASTM E23-18
Metallic Materials	Mechanical Testing	Rockwell Hardness Testing Parallel surfaced specimen (20 to 40°C)	ASTM E18-19
Carbon & Alloy Steel	Mechanical Testing	Tensile Testing at Ambient Temp / Tensile Strength	ASTM E8-16a
Carbon & Alloy Steel	Mechanical Testing	Tensile Testing at Ambient Temp / Yield Strength at 0.2 % offset	ASTM E8-16a
Carbon & Alloy Steel	Mechanical Testing	Tensile Testing at Ambient Temp / Elongation after Fracture	ASTM E8-16a
Carbon & Alloy Steel	Mechanical Testing	Tensile Testing at Ambient Temp / Reduction in Area	ASTM E8-16a

**04-01-2019**

Date

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Director



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<p><b>Carbon and Low Alloy Steel</b></p>	<p>Chemical Testing</p>	<p>Optical Emission Vacuum Spectrometric analysis of carbon and low alloy steel            C 0.044 – 1.1            Mn 0.05 – 2.0            Si 0.05 – 1.0            S 0.005 – 0.055            P 0.005 – 0.085            Ni 0.1-2.0            Cr 0.05-3.0            Mo 0.05-1.0            Cu 0.05-0.3            V 0.05-0.5</p>	<p>ASTM E 415-17</p>
<p><b>Stainless Steel</b></p>	<p>Chemical Testing</p>	<p>Optical Emission Vacuum Spectrometric analysis of Stainless Steel            C 0.010 – 0.25            Mn 0.05- 2.0            Si 0.06 – 1.0            S 0.005 - 0.055            P 0.005 – 0.03            Cr 12.0 – 22.0            Ni 4.0 – 15.00            Mo 0.1 – 2.5            Cu 0.1-0.5            Ti 0.05-0.5</p>	<p>ASTM E 1086-14</p>
<p><b>Aluminum</b></p>	<p>Chemical Testing</p>	<p>Test Method for Optical Emission Spectrometric Analysis of Aluminum and Aluminum Alloys            Si 0.4 -12.0            Cu 0.05- 2.0            Mg 0.05- 2.0            Zn 0.029- 1.0            Fe 0.18- 0.70            Mn 0.05- 0.50            Cr 0.05-0.25            Ni 0.05-0.25            Ti 0.01-0.25</p>	<p>ASTM E 1251-17a</p>

**04-01-2019**

Date

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 Director