

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 10/08/15 Rev. No: 07 LAB 109
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Accreditation No: LAB 109

Awarded to

Target Scientific Laboratory (Pvt.) 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 **09-08-2016** 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 **08-08-2019**.

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

20 September 2017
Date

Director General



**ACCREDITATION
DOCUMENT**

F-06/02
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LAB 109

Testing Laboratory.

Accreditation Scope of Target Scientific Laboratory (Pvt.) Ltd, 226, Deh Dhi, Sector-39, Korangi Creek Industrial Area, Karachi East, Pakistan
 Ph. # 92-21-35110082-85

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
Liquid Petroleum Products	Lubricating Oil & Fuel	1. Specific Gravity 2. Flash Point (COC) 3. Flash Point (PMCC) 4. Pour Point 5. Viscosity @ 40°C 6. Viscosity @ 100°C 7. Elemental Analysis for Mg, Si, P, S, Cl, Ca, Zn, Mo & Ba.	1. ASTM D 1298-12b 2. ASTM D 92-12b 3. ASTM D 93-15a 4. ASTM D 97-15 5. ASTM D 445-15 6. ASTM D 445-15 7. ASTM D 7751-14 ^{e1} ASTM D 4294-10 ASTM D 6481-14
Liquid Petroleum Products	Mineral Insulating Oil (Transformer Oil)	1. Dielectric Dissipation Factor DDF 2. Specific Resistance or Resistivity 3. Dielectric Breakdown Voltage 4. Water Content or Moisture 5. Interfacial Surface Tension IFT	1. IEC 60247 2. IEC 60247 3. IEC 60156 4. IEC 60814 5. ASTM D 971

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		6. 5-Hydroxymethyl-2-Furfuraldehyde (5-HMF) 7. 2-Furfuraldehyde (2-FAL) 8. 5-Methyl Furfural (5-MEF) 9. 2-Acetyl Furan (2-ACF) 10. 2-Furfuryl Alcohol (2-FOL)	6. IEC 61198 and same for 7 to 10
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20 September 2017
Date

Director