

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02</b> <b>Issue Date: 10/08/15</b> <b>Rev. No: 07</b> <b>LAB 112</b>
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## Accreditation No: LAB 112

**Awarded to**

**Synergy Elekrtik Pvt. Ltd. Transformer Testing Laboratory**  
**16.5 Km Lahore-Shaikhupura Road, Javed Nagar, Mominpura, 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 **20-09-2016** 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 **19-09-2019**.

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**

20-09-2016

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Date

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Director General

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**Testing Laboratory.**

**Accreditation Scope of Synergy Elekrtik Pvt. Ltd. Transformer Testing Lab.  
16.5 Km Lahore-Shaikhupura Road, Javed Nagar, Mominpura, 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
Distribution & Power Transformers	Electrical Testing	<ul style="list-style-type: none"> <li>• NO LOAD LOSS AND CURRENT TEST/ (Iron Loss Test)</li> </ul>	<ul style="list-style-type: none"> <li>• DDS-84:2007 (Amended to date)</li> <li>• DDS-71:2004 (PMT)</li> <li>• IEC-60076-1</li> <li>• K/R&amp;D/DT-28</li> <li>• P-10:67</li> <li>• P-41:81 (PMT Alternate-III)</li> </ul>
		<ul style="list-style-type: none"> <li>• SHORT CIRCUIT IMPEDANCE AND LOAD LOSS TEST/ (Copper Loss Test)</li> </ul>	<ul style="list-style-type: none"> <li>• DDS-84:2007 (Amended to date)</li> <li>• DDS-71:2004 (PMT)</li> <li>• IEC-60076-1</li> <li>• K/R&amp;D/DT-28</li> <li>• P-10:67</li> <li>• P-41:81 (PMT Alternate-III)</li> </ul>
		<ul style="list-style-type: none"> <li>• INDUCED VOLTAGE WITHSTAND TEST</li> </ul>	<ul style="list-style-type: none"> <li>• DDS-84:2007 (Amended to date)</li> <li>• DDS-71:2004 (PMT)</li> <li>• IEC-60076-3</li> <li>• K/R&amp;D/DT-28</li> <li>• P-10:67</li> <li>• P-41:81 (PMT Alternate-III)</li> </ul>

**20-09-2016**  
Date

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Director



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<b>Distribution &amp; Power Transformers</b>	<b>Electrical Testing</b>	<ul style="list-style-type: none"> <li>• APPLIED VOLTAGE WITHSTAND TEST/ (High Voltage Test)</li> </ul>	<ul style="list-style-type: none"> <li>• DDS-84:2007 (Amended to date)</li> <li>• DDS-71:2004 (PMT)</li> <li>• IEC-60076-3</li> <li>• K/R&amp;D/DT-28</li> <li>• P-10:67</li> <li>• P-41:81 (PMT Alternate-III)</li> </ul>
		<ul style="list-style-type: none"> <li>• VOLTAGE RATIO (TURN RATIO) TEST</li> </ul>	<ul style="list-style-type: none"> <li>• DDS-84:2007 (Amended to date)</li> <li>• DDS-71:2004 (PMT)</li> <li>• IEC-60076-1</li> <li>• K/R&amp;D/DT-28</li> <li>• P-10:67</li> <li>• P-41:81 (PMT Alternate-III)</li> </ul>
		<ul style="list-style-type: none"> <li>• WINDING RESISTANCE MEASUREMENT TEST</li> </ul>	<ul style="list-style-type: none"> <li>• DDS-84:2007 (Amended to date)</li> <li>• DDS-71:2004 (PMT)</li> <li>• IEC-60076-1</li> <li>• K/R&amp;D/DT-28</li> <li>• P-10:67</li> <li>• P-41:81 (PMT Alternate-III)</li> </ul>

**20-09-2016**  
Date

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Director