

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02 Issue Date: 10/08/15 Rev. No: 07 LAB 037</b>
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**Accreditation No: LAB 037**

**Awarded to**

**GLASS AND CERAMICS RESEARCH CENTRE (G&CRC),  
Pakistan Council of Scientific & Industrial Research (PCSIR)  
Laboratories Complex, Lahore 54600, 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 **24-08-2006** 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 **16-06-2019**.

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**

17-06-2016

Date

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Director General

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**Testing Laboratory.**

Accreditation scope of **GLASS AND CERAMICS RESEARCH CENTRE (G&CRC)**, Pakistan Council of Scientific & Industrial Research (PCSIR) Laboratories Complex, Lahore 54600, 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>1. Glass &amp; Ceramics Laboratory</b>			
Hydraulic Cement	Chemical Testing	Determination of Loss on ignition	ASTM C-114-11b (2012)
		Determination of Silica (SiO <sub>2</sub> )	
		Determination of Alumina (Al <sub>2</sub> O <sub>3</sub> )	
		Determination of Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )	
		Determination of Lime (CaO)	
		Determination of Magnesia (MgO)	
		Determination of Soda (Na <sub>2</sub> O)	
		Determination of Potash (K <sub>2</sub> O)	
		Determination of Sulphur trioxide (SO <sub>3</sub> ), Determination of Acid Insoluble	
Limestone	Chemical Testing	Determination of Loss on ignition	ASTM C-25-11 (2012)
		Determination of Silica (SiO <sub>2</sub> )	
		Determination of Alumina (Al <sub>2</sub> O <sub>3</sub> )	
		Determination of Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )	
		Determination of Lime (CaO)	
		Determination of Magnesia (MgO)	
		Determination of Soda (Na <sub>2</sub> O)	
		Determination of Potash (K <sub>2</sub> O)	

17-06-2016  
Date

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Director