

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 070
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Accreditation No: LAB 070

Awarded to

Attock Cement Pakistan Ltd. Laboratory Sakran Road, Hub Chowki, Lasbela, 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 **27-12-2013** 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 **26-12-2022**.

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

29-12-2020
Date

Sd.
Director General



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Testing Laboratory.

Accreditation Scope of ATTOCK CEMENT PAKISTAN LIMITED LAB,
 Lasbela, 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
ORDINARY PORTLAND CEMENT (OPC) & SULPHATE RESISTANT CEMENT (SRC)	Chemical Testing	Insoluble Residue (I.R)	EN-196-2; 2005 , ASTM C-114 & PS-232:2008 (R)
	Chemical Testing	Loss On Ignition (L.O.I)	EN-196-2; 2005, ASTM C-114 & PS-232-2008 (R)
	Chemical Testing	Silica Oxide (SiO ₂)	EN-196-2; 2005 & ASTM C-114
	Chemical Testing	Alumina Oxide (Al ₂ O ₃)	-do-
	Chemical Testing	Iron oxide (Fe ₂ O ₃)	-do-
	Chemical Testing	Calcium Oxide (CaO)	-do-
	Chemical Testing	Magnesium Oxide (MgO)	-do-
	Chemical Testing	Sodium Oxide (Na ₂ O)	-do-
	Chemical Testing	Potassium Oxide (K ₂ O)	-do-
	Chemical Testing	Sulfur Trioxide (SO ₃)	EN-196-2; 2005, ASTM C-114 &

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			PS-232:2008 (R)
	Chemical Testing	Chloride (Cl)	EN-196-2; 2005 & ASTM C-114
ORDINARY PORTLAND CEMENT (OPC) & SULPHATE RESISTANT CEMENT (SRC)	Calculation	Tricalcium Aluminate (C ₃ A)	based on PS-232-2008 (R)
	Calculation	Lime Saturation Factor (L.S.F)	based on PS-232-2008 (R)
	Physical Testing	Fineness (Blaine)	EN-196-6; 1992, ASTM C-204 & PS-232:2008 (R)
	Physical Testing	Setting Time (Initial/Final)	EN-196-3; 2005, ASTM C191 & PS-232:2008 (R)
	Mechanical Testing	Compressive Strength (Mortar Cubes 2.78" X 2.78") i). 3-Days ii). 7-Days iii). 28-Days	PS-232:2008 (R) & BS-4550, Part-3 Section-3.4
	Mechanical Testing	Compressive strength (Prism Cube 40 x 40 x 160 mm) i). 2-Days ii). 28 -Days	EN-196-1; 2005
	Physical Testing	Expansion-Soundness i). Auto clave ii). Le-Chatlier	i). ACPL/QC/SOP/048 based on ASTM C-151 ii). ACPL/QC/SOP/025 based on EN-196-3; 2005 & PS-232:2008 (R)

29-12-2020
Date

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Director