Accreditation No: LAB 038

Awarded to

APPLIED CHEMISTRY AND RESEARCH CENTRE (ACRC),
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 **16-06-2022.**

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

17-06-2019
Date

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Director General

Testing Laboratory.

Accreditation scope of **APPLIED CHEMISTRY AND RESEARCH CENTRE (ACRC),** Pakistan Council of Scientific & Industrial Research (PCSIR) Laboratories Complex, Lahore 54600, Pakistan.

Permanent laboratory premises X

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
1. Textile Laboratory			
Textiles	Physical Testing	Colour Fastness to Light: Xenon Arc Fading Lamp Test	ISO 105 B02:2014
		Colour Fastness to Domestic & Commercial Laundering	ISO 105 C06(C2S):2010
		Colour Fastness to Domestic & Commercial Laundering using a Non-phosphate Reference Detergent using a Low-temperature Bleach Activator	ISO 105 C08:2010
		Colour Fastness to Dry Cleaning	ISO 105 D01:2010
		Colour Fastness to Water	ISO 105 E01:2013
		Colour Fastness to Sea-water	ISO 105 E02 :2013
		Colour Fastness to Perspiration	ISO 105 E04:2013
		Colour Fastness to Rubbing	ISO 105 X12:2016
		Fabric Propensity to Surface Fuzzing and to Pilling-Pilling Box Method	ISO 12945-1:2000
		Fabric Propensity to Surface Fuzzing and to Pilling-Modified Martindale Method	ISO 12945-2:2000

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Director

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
Textiles	Physical Testing	Abrasion Resistance of Fabrics by the Martindale Method (Specimen Breakdown)	ISO 12947-2:2016
		Dimensional Changes of Fabrics After Home Laundering	AATCC 135:2018
		Dimensional Changes of Garments After Home Laundering	AATCC 150-2018
		Linear Density of Yarn (Yarn Number) by the Skein Method	ASTM D 1907/D1907M-12
		End (Warp) and Pick (Filling) Count of Woven Fabrics	ASTM D 3775-17
		Mass per Unit Area (Weight) of Fabric	ASTM D 3776/D3776M-09a
2. Leather Laboratory			
Leather & Leather Made-ups	Chemical Testing	Cr-VI Content in Leather	SLC 22 (IUC18) ISO 17075:2017
		Pentachlorophenol in Leather	CLRI & Freiburg Method:1991
		Formaldehyde Content in Leather	SLC 23 (IUC 19) ISO 17226::2018
		pH Value of Leather Extract	IUC 11, SLC 13 ISO 4045:2018
	Physical testing	Tensile strength and percentage extension	IUP 6, SLP 6 ISO 3376 : 2011
		Colour Fastness to Circular Rubbing	SLF 5 BS1006:UK-LC
		Tear Load (Double edge)	IUP 8, SLP 7 ISO 3377-2: 2016
		Tear Resistance (Single edge) for protective gloves	EN ISO 388: 2016 (6.4)
		Abrasion Resistance for protective gloves	BS EN 388: 2016 (6.1)

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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
		Water Vapour Transmission for protective gloves	BS EN 420:2003 +A1:2009 (6.3)
3. Pesticide Residue Laboratory			
Fruits, vegetables and cereals	Chemical testing (pesticide residues)	Determination of Bifenthrin	AOAC 998.01 (Modified & Validated)
		Determination of Aldrin	
		Determination of Dieldrin	
		Determination of Malathion	
		Determination of Deltamethrin	
		Determination of Permethrin	
		Determination of Cypermethrin	
		Determination of Chloropyrifos	
		Determination of Heptachlor	
	Chemical testing (Heavy metals)	Determination of Lead	AOAC 999.01& AOAC 999.11 (Modified & Validated)
4. Drug Residue Laboratory			
Meat	Chemical testing	Determination of Chloramphenicol residue in meat.	USP 38, NF 33 2015, Analytica Chimica Acta, 2005, 535, 33-41(Modified validated method)
5. **Oil and Fat Laboratory**			
Oil/Fat	Chemical testing	Determination of free fatty acids (FFA) in oil/fat	AOCS:2017
		Determination of peroxide value (POV) in oil/fat	

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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
		Determination of Moisture and Volatile Matter	
		Determination of Refractive Index	

17-06-2019
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Director