

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 038
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Accreditation No: LAB 038

Awarded to

Applied Chemistry Research Centre (ACRC), Pakistan Council of Scientific & Industrial Research (PCSIR) Labs. 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 17025:2017**.

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

11-03-2021

Date

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Director General

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 038
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Testing Laboratory.

Accreditation scope of Applied Chemistry Research Centre (ACRC), 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
1. Textile Laboratory			
Textiles	Physical Testing	Colorfastness to Crocking: Crock meter Method	AATCC 8: 2016
		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
		Abrasion Resistance of Fabrics by the Martindale Method (Specimen Breakdown)	ISO 12947-2:2016

11-03-2021

Date

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ACCREDITATION DOCUMENT

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 038

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	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-20
Leather Laboratory			
Leather & Leather Made-ups	Chemical Testing	Cr-VI Content in Leather	SLC 22 (IUC18) ISO 17075-1:2017
		Pentachlorophenol in Leather	CLRI & Freiburg Method:1991
		Formaldehyde Content in Leather	SLC 23 (IUC 19) ISO 17226-2:2018
		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 : 2020
		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 + A1:2018 (6.4)
		Abrasion Resistance for protective gloves	EN ISO 388: 2016 + A1:2018 (6.4))
		Water Vapour Transmission for protective gloves	BS EN 21420:2020 (6.3)
2. Pesticide Residue Laboratory			

11-03-2021

Date

Sd

Director



ACCREDITATION DOCUMENT

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 038

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
Fruits, vegetables and cereals	Chemical testing (pesticide residues)	Residue Determination <ul style="list-style-type: none"> • Heptachlor • Malathion • Chlorpyrifos • Aldrin • Dieldrin • Cypermethrin • Deltamethrin • Permethrin • Bifenthrin 	PRL/TMD/01 (AOAC 998.01)
	Chemical testing (Heavy metals)	Determination of Lead	PRL/TMD/03 (AOAC 999.01&AOAC 999.11)
Fruits, Vegetables, Cereals & Crops	Chemical testing (pesticide residues)	Residues Determination 1. Insecticides <ul style="list-style-type: none"> • Heptachlor, • Malathion • Chlorpyrifos • Aldrin • Dieldrin • Cypermethrin • Permethrin • Deltamethrin • Bifenthrin • Endosulphan I • Endosulphan II • HCH • Dichlorvos • Fipronil • 4,4'-DDT 2. Fungicides <ul style="list-style-type: none"> • Tebuconazole • Dimethomorph 	PRL/TMD/02 (AOAC 2007.1)

11-03-2021

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Director



ACCREDITATION DOCUMENT

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 038

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
		<ul style="list-style-type: none"> • Difenoconazole • Azoxystrobin 3. Herbicides <ul style="list-style-type: none"> • Atrazine • Clodinafop • Pendimethalin 	
Plant growth Regulator (Formulation)	Chemical testing	Naphthyl Acetic Acid	PRL/TMD/04 (Validated Method)
4. Drug Residue Laboratory			
Meat	Chemical testing	Determination of Chloramphenicol residue in meat.	LLC/DRL/TM/001 (USP 38, NF 33 2015 Analytica Chimica Acta, 2005, 535, 33-41)
5. Oil and Fat Laboratory			
Oil/Fats	Chemical testing	Free Fatty Acids (FFA) in Crude & Refined Fats & Oils	AOCS Ca 5a-40:2017
		Peroxide value (POV) in Fats & Oils	AOCS Cd 8b-90:2017
		Moisture and Volatile Matter in Butter, Fats, Margarines & oils.	AOCS Ca 2b-38:2017
		Refractive Index of Fats & Oils	AOCS Cc 7-25:2017
		Iodine Value of Fats & Oils	AOCS Cd 1d-92:2017
		Saponification value of Fats and Oils	AOCS Cd 3-25:2017

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