

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 024
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Accreditation No: LAB 024

Awarded to

Food & Biotechnology Research Centre (FBRC), 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 **16-06-2028**.

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

23-07-2025
Date

SD
Director General

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Testing Laboratory.

Accreditation scope of Food and Biotechnology Research Centre (FBRC), 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
Food and Biotechnology Research Centre (FBRC) Laboratories.			
Food & Drinks		Enumeration of total Aerobic plate count	BAM Chapter 03:2025
		Enumeration of Total Coliforms, Fecal Coliforms and <i>E.coli</i>	BAM Chapter 04:2020
		Detection of <i>Salmonella</i> spp	BAM Chapter 05:2024
		Enumeration of <i>Staphylococcus aureus</i>	BAM Chapter 12:2016
		Enumeration of Yeast and Mold	BAM Chapter 18:2001
Water	Microbiological testing	Enumeration of Total Plate Count	APHA/AWWA, 9215 B:2023
		Enumeration of Total Coliforms, Fecal Coliforms and <i>E.coli</i>	APHA/AWWA, 9221B, E & F:2023
		Enumeration of <i>Pseudomonas aerogenosa/spp.</i>	APHA/AWWA, 9213 F:2023
Healthcare Products & Surgical Devices		Bioburden	ISO 11737-1:2018
Cereals	Nutritional testing Chemical testing	Estimation of Moisture (%)	AOAC. 925.10:2023
		Estimation of Ash (%)	AOAC. 923.03: 2023
		Determination of Protein (%)	AOAC. 960.52: 2023
		Estimation of Fat (%)	AOAC. 920.39: 2023
Animal feed		Estimation of Moisture (%)	AOAC. 934.01: 2023
	Estimation of Ash (%)	AOAC. 942.05: 2023	
	Determination of Protein (%)	AOAC. 960.52: 2023	

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		Estimation of Fat (%)	AOAC.920.39: 2023
Food items: (Cereals, Ground nuts, Chilli, Spices, Corn, Pine, Nuts etc.)	Chemical Testing	Determination of Aflatoxin B1	AOAC.972.26:2023
		Determination of Aflatoxin B2	
		Determination of Aflatoxin G1	
		Determination of Aflatoxin G2	
Cereals, Corn, Raw Peanuts, Peanut Butter, Pistachio Paste, Fig Paste & Paprika Powder		Determination of Aflatoxin B1	AOAC 2005.08:2023 AOAC 999.07:2023 (UHPLC)
		Determination of Aflatoxin B2	
		Determination of Aflatoxin G1	
		Determination of Aflatoxin G2	
		Determination of Total Aflatoxin	
Dried food (Atta, Maida, wheat grains etc.)		Estimation of Phytate in foods	AOAC 986.11:2023
Rice	Estimation of Cadmium	AOAC 999.11: 2023 (Modified)	
	Estimation of Lead		
Water	Determination of Sodium as Na ⁺	APHA/AWWA 3500-Na B:2023	
	Determination of Potassium as K ⁺	APHA/AWWA 3500-K B:2023	
	Determination of Zinc	APHA/AWWA 3111-B:2023	
	Determination of Cadmium	APHA/AWWA 3111-B:2023	
	Determination of Total Dissolved	APHA/AWWA 2540-C:2023	

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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
		Solids	
		Determination of total hardness as CaCO ₃	APHA/AWWA,2340 C: 2023
		Determination of chloride as Cl ⁻ .	APHA/AWWA,4500-Cl ⁻ B: 2023
Milk	Nutritional Testing	Determination of Total Solids (%)	AOAC.990.20:2023
		Determination of Total Protein (%)	AOAC.991.20: 2023
		Determination of Total Ash (%)	AOAC.945.46 : 2023
		Determination of Total Fat (%)	AOAC 2000.18: 2023
Flavored Milk		Determination of Total Fat (%)	AOAC 2000.18: 2023
Dried Milk		Determination of Total Ash (%)	AOAC 930.30:2023
		Determination of Aflatoxin M1	LLC/AFL/TM/002
Processed Foods, Grain, Cereals Products, Fruit & Vegetables etc.		Determination of Total Dietary Fiber (g/100g)	AOAC 991.43:2023
		Determination of Soluble Dietary Fiber (g/100g)	
		Determination of Insoluble Dietary Fiber (g/100g)	
Pesticides, Rodenticide & Chemicals	Toxicology	Acute Oral Toxicity LD ₅₀	OECD 423:2001
		Acute Eye Irritation/Corrosion test	OECD 405:2021
		Acute Dermal Irritation / Corrosion test	OECD 404:2015
		Acute Dermal Toxicity LD ₅₀	OECD 402:2017
		Skin Sensitization	OECD 406:2020
Medical Device / Chemicals	Biological evaluation of medical devices	Test for <i>In vitro</i> Cytotoxicity	ISO 10993-5: 2009
		Skin Sensitization(Buehler's Method)	ISO 10993-10:2021
		Dermal Irritation	ISO 10993-23:2021
		Sample Preparation	ISO10993-12:2012
		Intracutaneous Reactivity	ISO10993-23:2021

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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
		Guinea Pig Maximization test	ISO10993-10:2021
Honey	Chemical Testing	Moisture	AOAC 969.38:2023
		Free & Total Acidity	AOAC 962.19:2023
Juices, Squashes, Concentrates, Soft Drinks etc	Physico-Chemicals	Brix	LLC/FVP/TM-001
	Physical	Gas Volume	LLC/FVP/TM-002
Bio-Fertilizer	Physical	Particle Size	PS 5330:2014

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