

	<p style="text-align: center;"><b>ACCREDITATION DOCUMENT</b></p>	<p><b>F-06/02</b>  <b>Issue Date: 18/08/2020</b>  <b>Rev. No: 09</b>  <b>LAB 024</b></p>
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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 **16-09-2025**.

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**

16-06-2025  
Date

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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
<b>Food and Biotechnology Research Centre (FBRC) Laboratories</b>			
Food	Microbiological testing	Enumeration of total plate count	BAM Chapter 03:2001
		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 12:2024
		Enumeration of Yeast and Mold	BAM Chapter 18:2001
Water		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
Cereals	Nutritional 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	Chemical testing	Estimation of Moisture (%)	AOAC. 934.01: 2023
		Estimation of Ash (%)	AOAC. 942.05: 2023
		Determination of Protein (%)	AOAC. 960.52: 2023
		Estimation of Fat (%)	AOAC.920.39: 2023
Food items: (Cereals, Ground nuts,	Chemical Testing	Determination of Aflatoxin B1	AOAC.972.26:2023
		Determination of Aflatoxin B2	
		Determination of Aflatoxin G1	
		Determination of Aflatoxin G2	

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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
Chilli, Spices,Co rn,Pine,Nu ts etc.			
Milk		Determination of Aflatoxin M1	AOAC 974.17:2023
Dried food (Atta, Maida,wh eat grains etc.)	Chemical testing	Estimation of Phytate in foods	AOAC 986.11:2023
Rice		Eestimation of Cadmium	AOAC 999.11: 2023 (Modified)
		Estimation of Lead	
Water		Determination of Sodium (as Na <sup>+</sup> )	APHA/AWWA 3500-Na B:2023
		Determination of Potassium (as K <sup>+</sup> )	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 Solids	APHA/AWWA 2540-C:2023
Milk & Dairy Products	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
Cookies Cereals, Snacks Fruit & Vegetable s and Processed Food 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,	Toxicology	Acute Oral Toxicity LD <sub>50</sub>	OECD 423:2001

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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
Rodenticide & Chemicals		Acute Eye Irritation/Corrosion test	OECD 405:2021
		Acute Dermal Irritation / Corrosion test	OECD 404:2015
		Acute Dermal Toxicity LD <sub>50</sub>	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
		<b>Intracutaneous Reactivity</b>	<b>ISO10993-23:2021</b>
		<b>Guinea Pig Maximization test</b>	<b>ISO10993-10:2021</b>
<b>Honey</b>	<b>Chemical Testing</b>	<b>Moisture</b>	<b>AOAC 969.19:2023</b>
		<b>Total Acidity</b>	<b>AOAC 962.19:2023</b>
Juices, Squashes, Concentrates, Soft Drinks etc	Physico-Chemicals	Brix	LLC/FVP/TM-001
	Physical	Gas Volume	LLC/FVP/TM-001

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