



Pakistan National Accreditation Council

Ministry of Science & Technology

Government of Pakistan

Islamabad



Certificate of Accreditation

is awarded to

FOOD AND BIOTECHNOLOGY RESEARCH CENTRE (FBRC)

Pakistan Council of Scientific & Industrial Research (PCSIR)

Laboratories Complex, Lahore 54600, Pakistan.

in accordance with the requirements of **ISO/IEC 17025:2017**

The accreditation is subject to regular surveillance and compliance
to the requirements of PNAC.

For scope of accreditation, see **appendix**.

Accreditation Certificate Number: Lab 024



Date of Issue:

17-06-2022


Director General

Valid until

16-06-2025

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**.

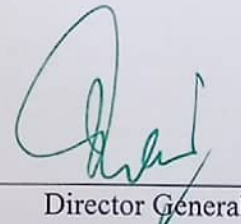
The accreditation requires regular surveillance, and is valid until **16-06-2025**.

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

13-12-2022
Date



Director General

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
1. Microbiology Testing Laboratory			
Food	Microbiological testing	Enumeration of total plate count in food	FAO:1992
		Enumeration of Total Coliforms, Fecal Coliforms and <i>E.coli</i> in food	FAO: 1992
Water	Microbiological testing	Enumeration of Total Plate Count in water	APHA/AWWA, 9215 B:2017
		Enumeration of Total Coliforms, Fecal Coliforms and <i>E.coli</i> in water	APHA/AWWA, 9221B, E & G:2017
Food	Microbiological testing	Detection of <i>Salmonella</i> spp. in food	FAO:1992
		Enumeration of <i>Staphylococcus aureus</i> in food	FAO:1992
		Enumeration of Yeast and Mold in food	FAO:1992
Water	Microbiological testing	Enumeration of <i>Pseudomonas aerogenosa</i> /spp. in water	APHA/AWWA, 9213 F:2017
2. Nutrition Testing Laboratory			
Cereals	Nutritional testing	Estimation of Moisture (%)	AOAC. 925.10:2019
		Estimation of Ash (%)	AOAC. 923.03:2019
		Determination of Protein (%)	AOAC. 960.52:2019
		Estimation of Fat (%)	AOAC. 920.39:2019
Animal feed	Chemical testing	Estimation of Moisture (%)	AOAC. 934.01:2019
		Estimation of Ash (%)	AOAC. 942.05:2019
		Determination of Protein (%)	AOAC. 960.52:2019
		Estimation of Fat (%)	AOAC. 920.39:2019

13-12-2022

Date

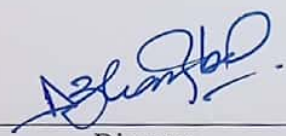
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Director

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
3.Mycotoxin Testing Laboratory			
Cereals, Ground nuts, Chilli and Spices etc.	Chemical Testing	Determination of Aflatoxin B1	AOAC.972.26:2019
		Determination of Aflatoxin B2	
		Determination of Aflatoxin G1	
		Determination of Aflatoxin G2	
Milk		Determination of Aflatoxin M1	AOAC 974.17:2019
4. Food and Water Testing Laboratory			
Dried food (Atta, Maida,wheat grains etc.)	Chemical testing	Estimation of Phytate in foods	AOAC 986.11:2019
Rice	Chemical Testing	Eestimation of Cadmium	(AOAC 999.11: 2019
		Estimation of Lead	AOAC 999.11: 2019
5. Dairy Testing Laboratory			
Milk	Chemical	Determination of Total Solids (%)	AOAC.990.20:2019
		Determination of Total Protein (%)	AOAC.991.20:2019
		Determination of Ash (%)	AOAC.945.46 :2019
		Determination of Fat (%)	AOAC 2000.18:2019
6. Toxicology Testing Laboratory			
Pesticides, Rodenticide & Chemicals	Toxicology	Acute Oral Toxicity LD ₅₀	OECD 423
		Acute Eye Irritation/Corrosion test	OECD 405
		Acute Dermal Irritation / Corrosion test	OECD 404
		Acute Dermal Toxicity LD ₅₀	OECD 402
		Skin Sensitization	OECD 406
Medical devices	Biological evaluation of medical devices	Test for <i>In vitro</i> Cytotoxicity	ISO 10993-5: 2009
		Skin Sensitization	ISO 10993-10:2010
		Dermal Irritation	ISO 10993-10:2010
		Sample Preparation and Reference Materials	ISO 10993-12:2012

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