



# Pakistan National Accreditation Council

Ministry of Science & Technology  
Government of Pakistan  
Islamabad



## Certificate of Accreditation

is awarded to

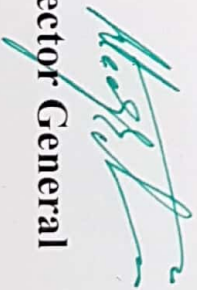
**Food & Biotechnology Research Centre (FBRC)  
PCSIR Laboratories Complex, Ferozpur Road  
Lahore, Pakistan**

in accordance with the requirements of ISO/IEC 17025:2005  
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:  
17-06-2019

Valid until  
16-06-2022

  
**Director General**



**ACCREDITATION  
DOCUMENT**

**F-06/02  
Issue Date: 10/08/15  
Rev. No: 07  
LAB 024**

**Accreditation No: LAB 024**

**Awarded to**

**FOOD AND BIOTECHNOLOGY RESEARCH CENTRE (FBRC),  
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**.

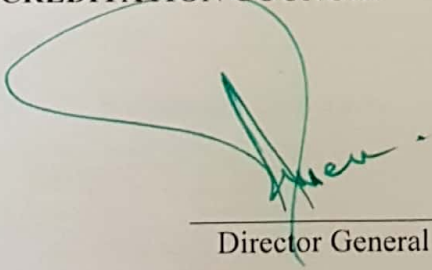
The accreditation requires regular surveillance, and is valid until **16-06-2022**.

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

  
\_\_\_\_\_  
Director General

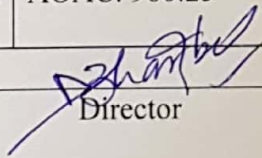
**Testing Laboratory.**

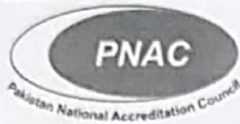
Accreditation scope of Food and Biotechnology Research Centre (FBRC), Pakistan Council of Scientific & Industrial Research (PCSIR) Laboratories Complex, Lahore 54600, Pakistan.

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
<b>1. Microbiology Laboratory</b>			
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
		Enumeration of Total Coliforms, Fecal Coliforms and <i>E.coli</i> in water	APHA/AWWA, 9221B, E & F
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/spp.</i> in water	APHA/AWWA, 9213 F
<b>2. Nutrition Laboratory</b>			
Cereals	Nutritional testing	Estimation of Moisture (%)	AOAC. 925.10
		Estimation of Ash (%)	AOAC. 923.03
		Determination of Protein (%)	AOAC. 960.25

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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
		Estimation of Fat (%)	AOAC. 920.39
Animal feed	Nutritional testing	Estimation of Moisture (%)	AOAC. 934.01
		Estimation of Ash (%)	AOAC. 942.05
		Determination of Protein (%)	AOAC. 960.52
		Estimation of Fat (%)	AOAC.920.39
<b>3. Mycotoxin Laboratory</b>			
Food items (Cereals, Groundnut ,Chilli and Spices etc.)	Mycotoxin Testing	Determination of Aflatoxin B1	AOAC. 976.26
		Determination of Aflatoxin B2	
		Determination of Aflatoxin G1	
		Determination of Aflatoxin G2	
<b>4. Food and Water Laboratory</b>			
Dried food (Atta, Maida, wheat grains etc.)	Nutritional testing	Estimation of Phytate in foods	AOAC 986.11
Rice	Chemical Testing	Estimation of Cadmium	AOAC (999.11) 2016 (modified and validated) / Flame Atomic Absorption Spectrometer
		Estimation of Lead	AOAC (999.11) 2016 (modified and validated) / Flame Atomic Absorption Spectrometer

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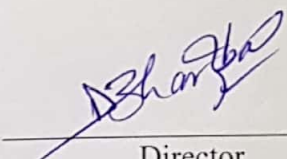


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Materials /Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
<b>5. Dairy Laboratory</b>			
Milk	Nutritional Composition	Determination of Total Solids(%)	AOAC.990.19:
		Determination of Protein(%)	AOAC.991.20
		Determination of Ash(%)	AOAC.945.46
		Determination of Fat(%)	AOAC 2000.18
<b>6. Plant Bio-Technology Resource Laboratory</b>			
Pesticide	Toxicology Study	Acute Oral Toxicity	OECD 423
		Acute Eye Irritation Test	OECD 405
Rodenticide		Acute Dermal Irritation / Corrosion	OECD 404
		Acute Dermal Toxicity	OECD 402

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