

	ACCREDITATION DOCUMENT	F-06/02 Issue Date : 25/06/08 Rev No: 05 LAB 024
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Testing Laboratory

Accreditation Scope of, Food & Biotechnology Research Centre (FBRC),
Pakistan Council of Scientific & Industrial Research Laboratories Complex,
Lahore, Pakistan

Permanent laboratory premises

Materials/ Products tested	Types of test/ Properties measured	Range of measurement	Minimum detection limit	Uncertainty of Measurement (where applicable) MU (±)	Standard specification/ Techniques/ equipment used
Microbiology					
Water, drinks and food items	Enumeration of total plate count in food (LLC/ML/TM/001)	30 to 3.0 x 10 ⁷ /gm	<1	Not applicable	Manual of Food Quality Control 4. Rev.1 Microbiological Analysis. FAO Food and Nutrition Paper 14/4 Rev. 1. Chapter 2. FAO of the United Nations. 1992.
	Enumeration of Total Coliforms, Fecal coliforms and.Ecoli in food(LLC/ML/TM/00 2)	<3 to 1.1 x 10 ⁴ /gm	<3	Not applicable	Manual of Food Quality Control 4. Rev.1 Microbiological Analysis. FAO Food and Nutrition Paper 14/4 Rev.1.Chapter 3. FAO of the United Nations. 1992.
	Enumeration of total plate count in water (LLC/M;/TM/003)	30 to 3.0 x 10 ⁷ /ml	<1	Not applicable	Standard methods for the examination of water and wastewater. 21 st edition. (2005) Method no. 9215B. Published by American Public Health Association, Washington, DC

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Materials/ Products tested	Types of test/ Properties measured	Range of measurement	Minimum detection limit	Uncertainty of Measurement (where applicable) MU (+)	Standard specification/ Techniques/ equipment used
	Enumeration of Total Coliforms, Fecal Coliforms and E.coli in water (LLC.ML/TM/OO4)	<1 TO 4.6 X 10 ³ /100ml	< 1	Not applicable	Standard methods for the examination of water and wastewater. 21 st edition. (2005) Method no.(9221B E & F). Published by American Public Health Association, Washington, DC
	Detection of Salmonella spp. In food (LLC.ML/TM/OO5)	Absence/ presence per 25gm	Qualitative	Not applicable	Manual of Food Quality Control 4, Rev.1 Microbiological Analysis, FAO Food & Nutrition Paper 14/4 Rev. 1 Chapter 4. FAO of the United Nations. 1992
Water	Detection of Pseudomonas spp.	2.5 x 10 ⁵ CFU	10.0> CFU	Not applicable	APHA 2005
Nutrition Lab					
Milk products, Cereals, Animal Feeds, Dry vegetable, Pulses, Dry Fruits and Baby Foods etc.	Determination of Moisture (% Age)	0.1%- 99.5%	0.1%	2.02 %	AOAC: 2005
	Determination of Ash (% Age)	0.1%- 99.5%	0.1%	3.12%	AOAC: 2005
	Determination of Total Fat (%age)	0.1%- 99.5%	0.1%	2.06%	AOAC: 2005
	Determination of Protein (%age)	0.1%- 99.5%	0.1%	2.84%	AOAC: 2005

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Food & Food Products					
Food, Food Products, Feed and Feed Ingredients.	Determination of Aflatoxin B1	1-500	0.4	Not applicable	AOAC: 2005
	Determination of Aflatoxin B2	0.5-500	0.4	Not applicable	AOAC: 2005
	Determination of Aflatoxin G1	1-500	0.3	Not applicable	AOAC: 2005
	Determination of Aflatoxin G2	0.5-500	0.3	Not applicable	AOAC: 2005

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