

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 10/08/15 Rev. No: 07 LAB 085
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Accreditation No: LAB 085

Awarded to

**M/s Defence Science & Technology Organization (DESTO).
Biochemistry Laboratory BRC (BLB)
34- 37 PNH Lines, Karachi Cantt, 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 **06-04-2015** 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 **14-03-2021**.

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

15-03-2018

Date

Director General

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Testing Laboratory.

Accreditation Scope of ABC Lab. PQR City, XYZ Country.

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
Water (drinking & sea water etc)	Water Testing	pH	AOAC, 19 th Ed.(2012) ,973.41, (11.1.03), Pg# 2. pH meter
	Water Testing	Chloride	Titration method with Silver Nitrate Water & waste Analysis,S.N. Kaul Ashutosh Gauta, 2002 page 54. pH meter
	Water Testing	Hardness	Titrametric method AOAC, 19 th Ed.(2012), 973.52, (11.1.21)
	Water Testing	TDS	Drying oven Method AOAC, 19 th Ed.(2012), 920.193, (11.1.09) Modified and via Multimeter
	Water Testing	Conductivity	via Multimeter
Cereal Based Products (Wheat Flour, Bran, Rice, Bread etc.)	Food Testing	Moisture	Oven Drying Method AOAC Official Method of Analysis, 19 th Edition (2012) 925.10, (32.1.03). Modified Hot Air Oven, Analytical Balance
	Food Testing	Fat	Soxhlet Apparatus Method AOAC Official Method of Analysis 19 th Edition (2012) 945.38 (32.2.01) (F 4.5.01) (920.39). Modified Soxhlet Apparatus Hot Air Oven, Water bath, Analytical Balance

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F-06/02
Issue Date: 10/08/15
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	Food Testing	Ash	Muffle furnace method AOAC Official Method of Analysis, 19 th Edition (2012)) 923.03, (32.1.05) Muffle Furnace, Analytical Balance
	Food Testing	Protein(By Nitrogen Estimation)	Macro Kjeldhal Method AOAC Official Method of Analysis, 19 th Edition (2012) 920.87 (32.1.22). AOAC Official Method of Analysis, 19 th Edition (2012) 991.20 (33.2.11) Modified Kjeldhal Apparatus, Analytical Balance
	Food Testing	Total Carbohydrate in cereal food (by difference method)	Chapter 10 page # 151 Food Analysis 4 th Edition 2010, by S.SUZANNE NIELSEN
	Food Testing	Total Energy value / Calorific Value	Chapt 1 page 9, "The Composition of Foods" MacCance & Widdowson's, 7 th Ed.
Milk powder	Food Testing	Moisture	PSI Standards: 363-82
	Food Testing	Ash	Muffle furnace method AOAC Official Method of Analysis, 19 th Edition (2012)) 923.03, (32.1.05) Muffle Furnace, Analytical Balance

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