



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 10/08/15
Rev. No: 07
LAB 146

Accreditation No: LAB 146

Awarded to

**SOIL AND WATER TESTING LABORATORY, GULBURG
ROAD, MODAL TOWN-A, BAHAWALPUR, 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 **29-06-2018** 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 **28-06-2021**.

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

05-03-2020
Date

Director General



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Testing Laboratory.

Accreditation Scope of Soil and Water Testing Laboratory for Research
Bahawalpur, 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
Phosphate Fertilizer solid	Chemical Testing	citrate soluble phosphorus estimation	Modified Official Method of Analysis of AOAC International 18 th Edition 2005 Method No. 993.31 Chapter 2, p 11
Phosphate Fertilizer Liquid	Chemical Testing	citrate soluble phosphorus estimation	Modified Official Method of Analysis of AOAC International 18 th Edition 2005 Method No. 993.31 Chapter 2, p 11
Potassium Fertilizer solid	Chemical Testing	Water soluble Potassium estimation)	Modified Official Method of Analysis of AOAC International 18 th Edition 2005 Method No. 983.02 Chapter2, p 21
Potassium Fertilizer Liquid	Chemical Testing	Water soluble Potassium estimation)	Modified Official Method of Analysis of AOAC International 18 th Edition 2005 Method No. 983.02 Chapter2, p 21
Nitrogen Fertilizer Solid	Chemical Testing	Ammonical Nitrogen	Modified Official Method of Analysis of AOAC International 18 th Edition 2005 Method No. 920.03-04 Chapter 2, p 15
Nitrogen Fertilizer Liquid	Chemical Testing	Ammonical Nitrogen	Modified Official Method of Analysis of AOAC International 18 th Edition 2005 Method No. 920.03-04 Chapter 2, p 15
Nitrogen Fertilizer Solid	Chemical Testing	Uric Nitrogen	Modified Official Method of Analysis of AOAC International 18 th Edition 2005 Method No. 955.04

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Nitrogen Fertilizer Liquid	Chemical Testing	Uric Nitrogen	Modified Official Method of Analysis of AOAC International 18 th Edition 2005 Method No. 955.04
Nitrogen Fertilizer Solid	Chemical Testing	Nitrate Nitrogen	Modified Official Method of Analysis of AOAC International 18 th Edition 2005 Method No. 892.01 Chapter 2, p 15
Nitrogen Fertilizer Liquid	Chemical Testing	Nitrate Nitrogen	Modified Official Method of Analysis of AOAC International 18 th Edition 2005 Method No. 892.01 Chapter 2, p 15
Nitrogen Fertilizer Solid	Chemical Testing	Total Nitrogen	Modified Official Method of Analysis of AOAC International 18 th Edition 2005 Method No. 892.01 Chapter 2, p 13 and 15
Nitrogen Fertilizer Liquid	Chemical Testing	Total Nitrogen	Modified Official Method of Analysis of AOAC International 18 th Edition 2005 Method No. 892.01 Chapter 2, p 13 and 15
Zinc Fertilizer Solid	Chemical Testing	Water soluble Zinc estimation)	Official Method of Analysis of AOAC International 18 th Edition 2005 Method No. 965.09 Chapter 2, p 25
Zinc Fertilizer Liquid	Chemical Testing	Water soluble Zinc estimation)	Official Method of Analysis of AOAC International 18 th Edition 2005 Method No. 965.09 Chapter 2, p 25
Boron Fertilizer Solid	Chemical Testing	Water soluble Boron estimation)	Official Method of Analysis of AOAC International 18 th Edition 2005 Method No. 982.01 Chapter2, p 32
Boron Fertilizer Liquid	Chemical Testing	Water soluble Boron estimation)	Official Method of Analysis of AOAC International 18 th Edition 2005 Method No. 982.01 Chapter2, p 32

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Zinc Fertilizer Solid	Chemical Testing	Acid soluble Zinc estimation	Official Method of Analysis of AOAC International 18 th Edition 2005, Current through revision, 4, 2011. Method No. 2.6.01 (AOAC Official Method No. 965.09) Fertilizers Chapter 2, Subchapter 6, p 29-30.
Copper Fertilizer Solid/Liquid	Chemical Testing	Acid soluble Cu estimation	
Iron Fertilizer Solid/Liquid	Chemical Testing	Acid soluble Fe estimation	
Manganese Fertilizer Solid/Liquid	Chemical Testing	Acid soluble Mn estimation	
Chelated Zinc fertilizer Solid/Liquid	Chemical Testing	Chelated Zn estimation by precipitation technique	Official Method of Analysis of AOAC International 18 th Edition 2005, Current through revision, 4, 2011. Method No. 2.6.01. (AOAC Official Method No. 965.09) Fertilizers Chapter 2, Subchapter 6, p 29-30.
Potassium Humate (Solid/Liquid)	Gravimetric Testing	Humic Acid	ISO 19822:2018 https://www.iso.org/standard/66271.html

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Director