

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02 Issue Date: 10/08/15 Rev. No: 07 LAB 012</b>
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## **Accreditation No: LAB 012**

**Awarded to**

### **Neutron Activation Analysis Labs. Islamabad, 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 **19-04-2005** 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 **00-04-2018**.

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**

\_\_\_\_\_  
Date

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

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### Testing Laboratory.

Accreditation Scope of Neutron Activation Analysis Lab., Islamabad,  
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 .Environmental/ Geological Materials a) Air particulates b) Dust c) Soils d) Sediments e) Rocks f) Ores g) Coal h) Coal fly ash i) Oils j) Vehicle emissions k) Industrial emissions 1) Industrial effluents	Elemental analysis using Instrumental Neutron Activation Analysis (INAA)	Elemental analysis using Instrumental Neutron Activation Analysis (INAA)  I. Elements measured by very short-lived nuclides  II. Elements measured by shortlived nuclides  III. Elements measured by intermediate-lived nuclides  IV. Elements measured by longlived nuclides	Methods developed as cited in QM/MNSR, Section 5.4 TM/MNSR, SOP 36/MNSR  I. Sequential INAA  II. INAA (Short)  III. INAA (Intermediate)  IV. INAA (Long)
2. Biological Materials and Food Products  A) Vegetable Products	Elemental analysis using Instrumental Neutron Activation Analysis (INAA)	I. Elements measured by very short-lived nuclides  II. Elements measured by short-lived nuclides	Methods developed as cited in TM/MNSR, SOP 3,5,6/MNSR  I. Sequential INAA  II. INAA (Short)

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Date

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Director



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<p>B) Animal Products</p>		<p>III. Elements measured by intermediate-life nuclides</p> <p>IV. Elements measured by longlived nuclides</p> <p>I. Elements measured by short-lived nuclides</p> <p>II. Elements measured by intermediate-life nuclides</p> <p>III. Elements measured by long-lived nuclides</p>	<p>III. INAA (Intermediate)</p> <p>IV. INAA (Long)</p> <p>Methods developed as cited in TM/MNSR SOP 3,5,6/MNSR</p> <p>I. INAA (Short)</p> <p>II. INAA (Intermediate)</p> <p>III. INAA (Long)</p>
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Date

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Director