

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02</b> <b>Issue Date: 10/08/15</b> <b>Rev. No: 07</b> <b>LAB 039</b>
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## **Accreditation No: LAB 39**

### **Awarded to**

### **Industrial Analytical Center (IAC, H.E.J., International Center for Chemical and Biological Sciences, University of Karachi, 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 **06-09-2010** 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 **11-03-2020**.

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**

19<sup>th</sup> May 2017  
Date

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Director General

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### Testing Laboratory.

Industrial Analytical Center (IAC), H.E.J., International Center for Chemical and Biological Sciences, University of Karachi.

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. Deltamethrine	Pesticides Testing	Concentration of Deltamethrine	Ref AOAC 991.03/7.5.05
2. Fats and oil	Food Testing	Concentration of free fatty acids	Ref ASTM D5555
		Saponification Value	AOCS Cd 3a-94
		Iodine Value	AOCS Cd 1c-85
		<b>Fatty Acid Composition</b>	AOCS Ce 1h-05
		C12:0 (Lauric Acid)	
		C14:0 (Myristic Acid)	
		C16:0 (Palmitic Acid)	
		C18:0 (Stearic Acid)	
		C18:1 (Oleic Acid)	
		C18:2 (Linoleic Acid)	
		C18:3 (Linolenic Acid)	
		C20:0 (Eicosanoic Acid)	AOCS official Method Cc 10c-95
Density	AOCS official Method Ca 2c-25		
3. Cephadrine capsule <b>250-1000mg</b> (Pharma drug)	Pharmaceutical Testing	Amount of Cephadrine	USP 40
4. Water	Environmental Testing	<b>Concentration of Metals</b>	ASTM D1976-12
		Cr	
		Al	
		Ni	
		Mn	
		Ca	
		Pb	
		Mg	
		Fe	
		B	
		Cu	
		Ag	
		Sr	
Ba			

19-05-2017  
Date

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Director

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		Bi		
		Cd		
		Co		
		K		
		Li		
		Na		
		Zn		
		pH	AOCS Official Method	
		Conductivity	973.40	
5a. Corn , Milo, rice, grains and feeds	Grains Testing	Concentration of Aflatoxin	Vicam L.P Afla Test 4.6 Manual Instructions AOAC 991.31 method	
5b. Peanuts	Grains Testing	Concentration of Aflatoxin	AOAC 991.31 <i>chp</i> 49, pg. 21	
6. Xylene & Toluene (Organic chemicals)	Petroleum Testing	<b>Analysis of Xylene isomers</b>	ASTM D-7504	
		<i>o</i> -Xylene		
		<i>p</i> -Xylene		
		<i>m</i> -Xylene		
		Ethylbenzene		
		<b>Toluene</b>		
7.Caffeine	Food Testing	Concentration of caffeine	USP 40	
8.Diesel	Petroleum Testing	Flash Point (PMCC)	ASTM D93	
		Ash	ASTM D482	
		Specific Gravity	ASTM D1298	
		Acid Number	ASTM D974	
		Color	ASTM D1500	
		Distillation	At IBP	ASTM D86
			At 50°C	
			At 90°C	
9. In Ready to drink items	Food Testing	Alcohol (Ethanol)	Journal of Food & Drug Analysis, Vol. 11, No. 2, 2003, Pages 133-140	
10. Tablets/ Capsules	Pharmaceutical Testing	<b>Dissolution/ Tablet Testing (Acid stage and Buffer stage)</b>		
		1. Aspirin	British Pharmacopeia 2015	
		2. Loratidine tablets	USP 40	
		3. Tramadol Hydrochloride tablets	USP 40	
		4. Pioglitazone tablets	USP 40	

19-05-2017  
Date

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Director