

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 074
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Accreditation No: LAB 074

Awarded to

**Global Environmental Lab (Pvt.) Ltd.
2nd Floor, Aiwan-e-Sanat, ST4/2, Sector – 23,
Korangi Industrial Area, 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 **18-07-2014** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO/IEC 17025:2017**.

The accreditation requires regular surveillance, and is valid until **26-07-2024**.

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

28-03-2022
Date

SD
Director General

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Testing Laboratory.

Accreditation Scope of Global Environmental Lab, 2nd Floor, Aiwan-e-Sanat, ST4/2, Sector – 23, Korangi Industrial Area, Karachi, 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
Water / Waste Water	Environmental Testing	Lead (Pb)	APHA 3030E / AAS (APHA 20TH Edition 1998)
	- do -	Cadmium (Cd)	APHA 3030E / AAS (APHA 20TH Edition 1998)
	- do -	Calcium (Ca)	APHA 3500D / Digital Titrator (APHA 20th Edition 1998)
	- do -	Magnesium (Mg)	APHA 3500E / Digital Titrator (APHA 20th Edition 1998)
	- do -	Total Hardness as CaCO ₃	APHA 2340C / Digital Titrator (APHA 20th Edition 1998)
	- do -	Sulphate (SO ₄)	HACH 8051 / DR 2400 Spectrophotometer. HACH 2002, 4th Edition

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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 / Waste Water	- do -	Fluoride (F)	HACH 8029 / DR 2400 Spectrophotometer. HACH 2002, 4th Edition
	- do -	Copper (Cu)	APHA 3030E / AAS (APHA 20th Edition 1998)
	- do -	Iron (Fe)	APHA 3030E / AAS (APHA 20th Edition 1998)
	- do -	Nickel (Ni)	APHA 3030E / AAS (APHA 20th Edition 1998)
	- do -	COD High Range (0 – 1500 PPM)	HACH 8000 / DR 2400 Spectrophotometer. HACH 2002, 4th Edition
	- do -	COD Low Range (3 – 15 ppm)	HACH 8000 / DR 2400 Spectrophotometer. HACH 2002, 4th Edition
	- do -	pH (0 – 14)	pH Meter HI2211 Hanna Instruments
Cereals and Cereal Products	Food Testing	Moisture (at 130oC)	AOAC Official Method 925.09 , 20 th Edition

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	- do -	Protein (Nx6.25)	AOAC Official Method 920.87 , 20 th Edition
	- do -	Fat (Ether Extract)	AOAC Official Method 920.85 , 20 th Edition
	- do -	Ash	AOAC Official Method 923.03, 20 th Edition
	- do -	Carbohydrate (By difference)	MacCane & Widdowson The Composition of Food
	- do -	Energy (By Calculation)	MacCane & Widdowson The Composition of Food

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Sd
Director