Accreditation No: LAB 048

Awarded to

National Water Quality Laboratory (NWQL), Pakistan Council of Research in Water Resources (PCRWR), Khayaban-e-Johar H-8/1 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 **31-12-2013** 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 **15-01-2026.**

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

20-04-2023
Date

SD
Director General

Testing Laboratory.

Accreditation Scope of National Water Quality Laboratory (NWQL), Pakistan Council of Research in Water Resources (PCRWR), Khayaban-e-Johar H-8/1 Islamabad, Pakistan.

Permanent laboratory premises [X]

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured /technique	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Water and Waste Water	Environmental Sciences	Arsenic	Standard Method,3114 B (AAS Hydride Generation Mode) APHA, AWWA WEF 23rd Edition, 2017
Water and Waste Water	Environmental Sciences	Electrical Conductivity	Standard Method,2510-B (Conductance method) APHA, AWWA WEF 23rd Edition, 2017
Water and Waste Water	Environmental Sciences	pH	Standard Method,4500-H+ B (Electrometric method) APHA, AWWA WEF 23rd Edition, 2017
Water and Waste Water	Environmental Sciences	Turbidity	Standard Method,2130B (Nephlometric method) APHA, AWWA WEF 23rd Edition, 2017
Water and Waste Water	Environmental Sciences	Sodium	Standard Method 3500-Na-B APHA, AWWA WEF 23rd Edition, 2017
Water and Waste Water	Environmental Sciences	Potassium	Standard Method 3500-K-B APHA, AWWA WEF 23rd Edition, 2017
Water and Waste Water	Environmental Sciences	Calcium	Standard Method 3500 Ca^{2+}-B (EDTA Titrimetric Method) APHAAWWA WEF 23rd Edition, 2017
Water and Waste Water	Environmental Sciences	Hardness	Standard Method 2340- C (EDTA Titrimetric Method) APHAAWWA WEF 23rd Edition, 2017

20-04-2023
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sd
Director

Water and Waste Water	Environmental Sciences	Magnesium	Standard Method 3500 Mg^{2+}-B (Calculation Method) APHAAWWA WEF 23rd Edition, 2017
Water and Waste Water	Environmental Sciences	Nitrates	Standard Method 4500-NO_3^-B (UV- spectrometric Method) APHAAWWA WEF 23rd Edition, 2017
Water and Waste Water	Environmental Sciences	Sulphate	Standard Method 4500-SO_4^{2-}B (UV- spectrometric Method) APHAAWWA WEF 23rd Edition, 2017
Water and Waste Water	Environmental Sciences	COD	Standard Method (5220-D) APHAAWWA WEF 23rd Edition, 2017
Water and Waste Water	Environmental Sciences	Heterotrophic Plate Count (HPC) (35 °C & 22 °C)	APHA Method 9215-B (23rd Edition, 2017)
Water and Waste Water	Environmental Sciences	Total Coliforms	APHA Method 9221-B,C 9222-B (23rd Edition, 2017) Colilert Quantitray-2000 (AOAC)
Water and Waste Water	Environmental Sciences	Fecal Coliforms	APHA Method 9221-E 9222-D (23rd Edition, 2017)
Water and Waste Water	Environmental Sciences	*E.coli*	FAO, 1998 (Internal method based on APHA Standard Methods:9221B-C, (23rd Edition, 2017) USEPA 1603 Colilert Quantitray-2000 (AOAC)

20-04-2023
Date

sd
Director