



**ACCREDITATION
DOCUMENT**

F-06/09
Issue Date: 27/05/16
Rev. No: 01
PTP 002

Accreditation No: PTP 002

Awarded to

Proficiency Testing Provider
National Physical & Standards Laboratory
16, H-9/1, 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 **27-05-2016** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO/IEC 17043:2010**.

The accreditation requires regular surveillance, and is valid until **21-02-2024**.

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

22-02-2021
Date

Sd

Director General



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Proficiency Testing Provider:

Accreditation Scope of Proficiency Testing Provider, National Physical & Standards Laboratory (PTP NPSL), 16, H-9/1, Islamabad, Pakistan.

Items/ Materials/Matrix/ Products (e.g., Reinforced Steel Bars, water, waste water)	Type of scheme/test/properties	Scheme Protocol/Procedure/ technique used
Water/ Wastewater and Industrial Liquid Effluents	Chemistry Scheme: 1) Measurement of pH 2) Electrical Conductivity (µS/cm) 3) Total Dissolved Solid (TDS) 4) Total Alkalinity (mg/L) 5) Total Hardness (mg/L) 6) Chemical Oxygen demand (COD) 7) Chloride (mg/L) 8) Calcium (mg/L) 9) Cadmium (mg/L) 10) Chromium (mg/L) 11) Cobalt (mg/L) 12) Copper (mg/L) 13) Iron (mg/L) 14) Lead (mg/L) 15) Manganese (mg/L) 16) Nickel (mg/L) 17) Zinc (mg/L)	1) ASTM D1293 (99-2005) Two Point Calibration/ pH Meter 2) Standard Methods for the Examination of Water and Wastewater, 23 rd Edition, 2017. 2510 B, APHA/AWWA. 3) Gravimetric method, 2540 B, APHA/AWWA. 4) Titration method 2320 B, APHA/AWWA. 5) 2340 C, APHA/AWWA 6) Open reflux method, 5220 B, APHA/AWWA. 7) 4500-Cl B, APHA/AWWA. 8) 3500- Ca B, APHA/AWWA. 9-17) Metals by Atomic Absorption Spectrometry, 3111, APHA/AWWA.
All types of Water i.e. potable/bottled, waste, surface, source, purified, process	Microbiology Scheme: 1) Determination of Aerobic Plate Count 2) Enumeration of Heterotrophic Colony Count at 35 ± 1 °C 3) Enumeration of Heterotrophic Colony Count at 23.5 ± 1.5 °C 4) Detection of Total Coliforms 5) Enumeration of Total Coliforms 6) Detection of Fecal Coliforms 7) Enumeration of Fecal Coliforms 8) Detection of <i>E. coli</i>	Standard Methods for the Examination of Water and Wastewater, 23 rd Edition, 2017, APHA/AWWA. 1) 9215, APHA/AWWA. 2) --do-- 3) --do-- 4) 9221, APHA/AWWA. 5) --do-- 6) --do-- 7) --do--

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	<ul style="list-style-type: none"> 9) Enumeration of <i>E. coli</i> 10) Detection of <i>Salmonella</i> spp. 11) Enumeration of <i>Salmonella</i> spp. 12) Detection of <i>Staphylococcus aureus</i>/spp. 13) Enumeration of <i>Staphylococcus aureus</i>/spp. 14) Detection of <i>Enterococcus faecalis</i>/spp. 15) Enumeration of <i>Enterococcus faecalis</i>/spp. 16) Detection of <i>Pseudomonas aeruginosa</i>/spp. 17) Enumeration of <i>Pseudomonas aeruginosa</i> /spp. 18) Detection of Enterobacteriaceae 19) Enumeration of Enterobacteriaceae 	<ul style="list-style-type: none"> 8) --do-- 9) --do-- 10) 9260, APHA/AWWA. 11) --do-- 12) 9213, APHA/AWWA. 13) --do-- 14) 9230, APHA/AWWA. 15) --do-- 16) 9213, APHA/AWWA. 17) --do-- 18) 9260, APHA/AWWA. 19) --do--
<p style="text-align: center;">All types of Food/ Feed and Beverages</p>	<p>Microbiology Scheme:</p> <ul style="list-style-type: none"> 1) Determination of Aerobic Plate Count 2) Enumeration of Heterotrophic Colony Count at 35 ± 1 °C 3) Enumeration of Heterotrophic Colony Count at 23.5 ± 1.5 °C 4) Detection of Total Coliforms 5) Enumeration of Total Coliforms 6) Detection of Fecal Coliforms 7) Enumeration of Fecal Coliforms 8) Detection of <i>E. coli</i> 9) Enumeration of <i>E. coli</i> 10) Detection of Yeast 11) Enumeration of Yeast 12) Detection of Mould 13) Enumeration of Mould 14) Detection of Enterobacteriaceae 15) Enumeration of Enterobacteriaceae 	<p>FAO FOOD AND NUTRITION PAPER, Manual of Food Quality Control 14/4. Rev. 1. Microbiological Analysis, FAO of the United Nations, 1992.</p>

22-02-2021

Date

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