

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 067
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Accreditation No: LAB 067

Awarded to

SGS Chemical, Environmental & Microbiological Lab. Lahore, 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 **16-12-2013** 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 **15-02-2025**

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

13-03-2023
Date

SD

Director General



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 067

Testing Laboratory.

**Accreditation Scope of SGS Chemical, Environmental & Microbiological Lab. Lahore,
Pakistan.**

**Permanent laboratory premises: Plot # 7, Din Muhammad Town, (Opposite Police
Training Institute) 19 Km off Multan Road Chung Lahore, Pakistan.**

Materials/Pr oducts 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
Potable, waste, surface and process water.	Environmental Testing	pH Value	APHA – 4500-H ⁺ B 23 rd Edition/ MNTP/SOP-pH/07
	Environmental Testing	Conductivity	APHA-2510, B 23 rd Edition/ MNTP/SOP-DOC/05
	Environmental Testing	Total Dissolved Solid (TDS)	APHA – 2540C 23 rd Edition/ MNTP/SOP-TDS/10
	Environmental Testing	Total Suspended Solid (TSS)	APHA – 2540D 23 rd Edition / MNTP/SOP-TSS/11
	Environmental Testing	Chemical Oxygen Demand (COD)	APHA – 5220 D 23 rd Edition / MNTP/SOP-COD/04
	Environmental Testing	Biochemical Oxygen Demand (BOD)	APHA 5210-D 23 rd Edition / MNTP/SOP- BOD/02

13-03-2023

Date

Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 067

Potable, waste, surface and process water.	Environmental Testing	Total Alkalinity as CaCO ₃	APHA – 2320B 23 rd Edition / MNTP/SOP-AIW/01
	Environmental Testing	Chloride	APHA – 4500 Cl ⁻ B 23 rd Edition / MNTP/SOP- CIW/03
	Environmental Testing	Sulphate	APHA –4500 C SO ₄ ²⁻ 23 rd Edition / MNTP/SOP- SuW/08
	Environmental Testing	Total Hardness as CaCO ₃	APHA –2340 B & C 23 rd Edition / MNTP/SOP-HIW/09
	Environmental Testing	Calcium Hardness as CaCO ₃	APHA –2340 B & C 23 rd Edition / MNTP/SOP-HIW/09
	Environmental Testing	Magnesium Hardness, as CaCO ₃	APHA –2340 B & C 23 rd Edition / MNTP/SOP-HIW/09
	Environmental Testing	Reactive Silica	APHA 4500 SiO ₂ B, 23 rd Edition / MNTP/SOP-SiO2 /14
	Environmental Testing	Phosphorus	APHA 4500P B & 4500P C, 23 rd Edition / MNTP/SOP-P/13
	Environmental Testing	Nitrite	APHA 4500-B, 23 rd Edition`/ MNTP/SOP-NO ₂ /12

13-03-2023

Date

Director



ACCREDITATION DOCUMENT

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 067

Potable, waste, surface and process water.	Environmental Testing	Chlorine	APHA 4500- Cl G, 23 rd Edition/ MNTP/SOP-Cl ₂ W/29
	Environmental Testing	Chlorine	APHA 4500Cl B, 23 rd Edition/ MNTP/SOP-Cl ₂ W/21
	Environmental Testing	Sulphide	APHA 4500S ²⁻ F, 23 rd Edition/ MNTP/SOP-S ²⁻ /18
	Environmental Testing	Fluoride	APHA 4500 F,B, D 23 rd Edition/ MNTP/SOP-F/20
	Environmental Testing	Oil and grease	USEPA 1664 / MNTP/SOP-O&G/28
	Environmental Testing	Ammoniacal nitrogen/Ammonia	4500NH ₃ B/C, 23 rd Edition/ MNTP/SOP-NH ₃ /17
	Environmental Testing	Phenols	APHA 5530 D, 23 rd Edition/ MNTP/SOP-Phenol/24
	Environmental Testing	Cyanide	APHA 4500 CN E, 23 rd Edition/ MNTP/SOP-CN/16
	Environmental Testing	Color m-1	ISO 7887:2011/ MNTP/SOP-Col m-1/22

13-03-2023

Date

Director



ACCREDITATION DOCUMENT

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 067

	Environmental Testing	Total Nitrogen	APHA 4500 N _{org} B, 23 rd Edition /MNTP/SOP-TKN/23
	Environmental Testing	Sulfite	APHA-4500 SO ₃ B & USEPA377.1/ MNTP/SOP-SO ₃ -W/25
Soil and sludge	Environmental Testing	pH(sludge)	USEPA 9045 D / MNTP/SOP-pH S/26
	Environmental Testing	% Solids(Sludge)	ASTM D2974-13/ MNTP/SOP-MC/DMW/24
	Environmental Testing	Cyanide (sludge)	EPA 9014/ MNTP/SOP-CN S/30
	Environmental Testing	Iron (Fe)	APHA-3111 B 23 rd Edition / MNTP/SOP- MIW/06
	Environmental Testing	Lead (Pb)	APHA-3111 B 23 rd Edition / MNTP/SOP- MIW/06
	Environmental Testing	Manganese (Mn)	APHA-3111 B 23 rd Edition / MNTP/SOP- MIW/06
	Environmental Testing	Nickel (Ni)	APHA-3111 B 23 rd Edition/ MNTP/SOP- MIW/06

13-03-2023

Date

Director



ACCREDITATION DOCUMENT

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 067

Environmental Testing	Zinc (Zn)	APHA-3111 B 23 rd Edition/ MNTP/SOP- MIW/06
Environmental Testing	Chromium (Cr)	APHA-3111 B 23 rd Edition/ MNTP/SOP- MIW/06
Environmental Testing	Cadmium (Cd)	APHA-3111 B 23 rd Edition/ MNTP/SOP- MIW/06
Environmental Testing	Copper (Cu)	APHA-3111 B 23 rd Edition/ MNTP/SOP- MIW/06
Environmental Testing	Cobalt (Co)	APHA-3111 B 23 rd Edition/ MNTP/SOP- MIW/06
Microbiological Testing	Silver (Ag)	APHA-3111 B 23 rd Edition/ MNTP/SOP- MIW/06
Microbiological Testing	Total Colony Counts	APHA 9215-B 23 rd Edition / MNTP/SOP- TPC/08
Microbiological Testing	Total Coli forms	APHA:9222 B 23 rd Edition / MNTP/SOP- MFM/05
Microbiological Testing	Faecal Coli forms/ E-Coli	APHA: 9222 D 23 rd Edition / MNTP/SOP-MF/06
Microbiological Testing	Faecal Streptococci/Enterococci	APHA: 9230 C 23 rd Edition/ MNTP/SOP-MF/07

13-03-2023

Date

Director



ACCREDITATION DOCUMENT

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 067

Potable, waste, surface and process water.	Microbiological Testing	<i>Pseudomonas aeruginosa</i>	APHA-9213 E 23 rd Edition/APHA-9225 D (10) 23 rd Edition /ISO 16266:200/ MNTP/SOP-MF/23
	Microbiological Testing	Legionella	APHA 9260 J 23 rd Edition/ MNTP/SOP-LIW/22
	Microbiological Testing	<i>Salmonella</i>	APHA 9260 B, 23 rd Edition/ MNTP/SOP-Sal/25
	Microbiological Testing	Yeast and Mold	ISO -11731 APHA 9610-B, 23 rd / / MNTP/SOP- Y&M/26
	Microbiological Testing	<i>Legionella</i>	APHA 9260 J, 23 rd Edition + ISO 11731/ MNTP/SOP-LIW/22
	Microbiological Testing	<i>E.coli in waster water</i>	APHA 9221 B+F / MNTP/SOP-TC(MPN)/41
Sludge	Microbiological Testing	<i>Faecal Coliform in Sludge sample</i>	EPA 1681/ MNTP/SOP-FCSS(MPN)/28

13-03-2023

Date

Director