Accreditation No: LAB 132

Awarded to

SGS, Material Testing Lab, (Pvt) Ltd.,
H- 3/3, Korangi Industrial Area,
Karachi.

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 **16-02-2018** 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 **15-02-2021.**

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

02-01-2020
Date

Sd.
Director General

Testing Laboratory.

Accreditation Scope of
SGS, Material Testing Lab, (Pvt) Ltd.,
H- 3/3, Korangi Industrial Area,
Karachi.

Permanent laboratory premises X

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
SOIL	Mechanical	1. Particle Size analysis of Soil - Hydrometer Analysis	ASTM D422-63(Reapproved 2007)E2
	Mechanical	2. CBR (California Bearing Ratio) of Laboratory- Compacted Soils	ASTM D1883 − 16
	Mechanical	3. Liquid Limit, Plastic Limit, and Plasticity Index of Soils	ASTM D4318-17
	Mechanical	4. Determination of Water (Moisture) Content of Soil and Rock by Mass	ASTM D2216 – 10
	Mechanical	5. Specific Gravity of Soil Solids by Water Pycnometer	ASTM D 854-14
	Mechanical	6. Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft3 (2,700 kN-m/m3))	ASTM D1557 – 12e-1
AGGREGATE	Mechanical	7. Sieve Analysis of fine and Coarse Aggregate	ASTM C136/C136M – 14
	Mechanical	8. Materials Finer than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	ASTM C117-17
	Chemical	9. Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	ASTM C88 − 13
	Mechanical	10. Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C131/C131M – 14
	Mechanical	11. Sand Equivalent Value of Soils and Fine Aggregate	ASTM D2419 − 14
	Mechanical	12. Specific Gravity and absorption of fine Aggregate	ASTM C128 − 15
	Mechanical	13. Specific Gravity and absorption of Coarse Aggregate	ASTM C127 − 15
ASPHALT/ BITUMEN	Mechanical	14. Quantitative Extraction of Asphalt Binder from Asphalt Mixtures	ASTM D2172/D2172M-17

20-01-2020
Date

Director

CONCRETE	Mechanical	15. Making and Curing Concrete Test Specimens in the Laboratory	ASTM C192/C192M-16a
	Mechanical	16. Capping Cylindrical Concrete Specimens	ASTM C617/C617M-15
	Mechanical	17. Density and Compressive Strength of Cylindrical Concrete Specimens	ASTM C39/C39M-17b
	Mechanical	18. Temperature of Freshly Mixed Hydraulic-Cement Concrete	ASTM C1064/C1064M-12
	Mechanical	19. Slump of Hydraulic-Cement Concrete	ASTM C143/C143M-15a
	Mechanical	20. Density (Unit Weight) of Concrete	ASTM C138/C138M-17a
	Mechanical	21. Air Content of Freshly Mixed Concrete by the Pressure Method	ASTM C231/C231M-17a
STEEL PRODUCTS	Mechanical	22. Mechanical Testing of Steel Products	ASTM A370-17
CARBON AND LOW ALLOY STEEL (SOLID SAMPLES)	Chemical	23. Chemical Composition	ASTM E-415-14

Sd.

20-01-2020
Date

Director