



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

GEOSCIENCE ENGINEERING & TESTING, INC.
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Valid To: May 31, 2021

Certificate Number: 0275.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory for:

CONSTRUCTION MATERIALS ENGINEERING

ASTM: C1077 (Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Laboratory Evaluation);
D3666 (Agencies Testing and Inspecting Road and Paving Materials);
D3740 (Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction);
E329 (Agencies Engaged in Construction Inspection and/or Testing);
E543 (Agencies Performing Nondestructive Testing)

CONSTRUCTION MATERIALS TESTING

<u>Test Method:</u>	<u>Test Description:</u>
Aggregates:	
ASTM C29/C29M	Bulk Density (“Unit Weight”) and Voids in Aggregate
ASTM C117	Materials Finer than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing
ASTM C127	Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate
ASTM C128	Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate
ASTM C136/C136M	Sieve Analysis of Fine and Coarse Aggregates
ASTM C566	Total Evaporable Moisture Content of Aggregate by Drying
ASTM C702/C702M	Reducing Samples of Aggregate to Testing Size
ASTM D75/D75M ¹	Sampling Aggregates
Tex-400-A ¹	Sampling Flexible Base, Stone, Gravel, Sand, and Mineral Aggregates
Tex-401-A	Sieve Analysis of Fine and Coarse Aggregate
Tex-402-A	Fineness Modulus of Fine Aggregate
Tex-403-A	Saturated Surface-Dry Specific Gravity and Absorption of Aggregates
Tex-404-A	Determining Unit Mass (Weight) of Aggregates
Tex-405-A	Determining the Percent of Solids and Voids in Concrete Aggregate

<u>Test Method:</u>	<u>Test Description:</u>
Tex-406-A	Material Finer Than 75 µm (No. 200) Sieve in Mineral Aggregates (Decantation Test for Concrete Aggregates)
Tex-409-A	Free Moisture and Water Absorption in Aggregate for Concrete
Bituminous:	
ASTM D2726/D2726M	Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures
ASTM D3665	Random Sampling of Construction Materials
ASTM D5444	Mechanical Size Analysis of Extracted Aggregate
ASTM D6307	Asphalt Content of Hot-Mix Asphalt by Ignition Method
Tex-200-F	Sieve Analysis of Fine and Coarse Aggregates
Tex-201-F	Bulk Specific Gravity and Water Absorption of Aggregate
Tex-206-F	Compacting Specimens Using the Texas Gyrotray Compactor (TGC)
Tex-207-F (Part III Field)	Determining Density of Compacted Bituminous Mixtures
Tex-227-F	Theoretical Maximum Specific Gravity of Bituminous Mixtures
Tex-236-F	Determining Asphalt Content from Asphalt Paving Mixtures by the Ignition Method
Concrete:	
ASTM C31/C31M ¹	Making and Curing Concrete Test Specimens in the Field
ASTM C39/C39M	Compressive Strength of Cylindrical Concrete Specimens
ASTM C42/C42M	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete
ASTM C138/C138M ¹	Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete
ASTM C143/C143M ¹	Slump of Hydraulic-Cement Concrete
ASTM C172/C172M ¹	Sampling Freshly Mixed Concrete
ASTM C173/C173M ¹	Air Content of Freshly Mixed Concrete by the Volumetric Method
ASTM C174/C174M	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores
ASTM C192/C192M	Making and Curing Concrete Test Specimens in the Laboratory
ASTM C231/C231M ¹	Air Content of Freshly Mixed Concrete by the Pressure Method
ASTM C617/C617M	Capping Cylindrical Concrete Specimens
ASTM C1064/C1064M ¹	Temperature of Freshly Mixed Hydraulic-Cement Concrete
ASTM C1231/C1231M	Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders
Tex-407-A ¹	Sampling Freshly Mixed Concrete
Tex-414-A ¹	Air Content of Freshly Mixed Concrete by the Volumetric Method
Tex-417-A ¹	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
Tex-418-A	Compressive Strength of Cylindrical Concrete Specimens
Tex-424-A	Obtaining and Testing Drilled Cores of Concrete
Masonry:	
ASTM C109/C109M (Compressive Strength Only)	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
ASTM C1019 ¹	Sampling and Testing Grout
Soils:	
ASTM D558	Moisture-Density (Unit Weight) Relations of Soil-Cement Mixtures

<u>Test Method:</u>	<u>Test Description:</u>
ASTM D698	Laboratory Compaction Characteristics of Soil Using Standard Effort
ASTM D1557	Laboratory Compaction Characteristics of Soil Using Modified Effort
ASTM D1632 (Section 11, Curing Only)	Making and Curing Soil-Cement Compression and Flexure Test Specimens in the Laboratory
ASTM D1633 (Method A) ² (Withdrawn 2016)	Compressive Strength of Molded Soil-Cement Cylinders
ASTM D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)
ASTM D2488 ¹	Description and Identification of Soils (Visual-Manual Procedure)
ASTM D4318	Liquid Limit, Plastic Limit, and Plasticity Index of Soils
ASTM D4718	Unit Weight and Water Content for Soils Containing Oversize Particles
ASTM D6938 ¹	In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)
Tex-103-E	Determining Moisture Content in Soil Materials
<u>Steel (Field & Shop)</u> ¹	
AWS D1.1; (Clause 6); ASTM E114, E164, E587, E797	Ultrasonic Testing (Contact - Straight & Angle Beam)
ASTM E709	Magnetic Particle Testing (Dry & Wet - Yoke Method)
ASTM E165	Penetrant Testing (Visible)
AWS D1.1 (Clause 6 Inspection); AWS D1.3 (Clause 6 Inspection); AWS D1.5 (Clause 6 Inspection)	Visual Weld Inspection
AISC Section 16.1 N5.6 / RCSC, Section 9 Inspection	Bolting Inspection
<u>Coatings:</u>	
ASTM D4138 (Methods A) ¹	Measurement of Dry Film Thickness of Protective Coating Systems by Destructive, Cross-Sectioning Means
ASTM D7091 (Type 2) ¹	Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to Ferrous Metals and Nonmagnetic, Nonconductive Coatings Applied to Non-Ferrous Metals
AWCI 12-B	Testing and Inspection of Field Applied Thin Film Intumescent Fire-Resistive Materials

¹ This laboratory meets A2LA R104 – *General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these tests.

² This laboratory’s scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered “historical” and not that the laboratory’s accreditation for the method has been withdrawn.



Accredited Laboratory

A2LA has accredited

GEOSCIENCE ENGINEERING & TESTING, INC.

Houston, TX

for technical competence in the field of

Construction Materials Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 7th day of May 2019.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0275.01
Valid to May 31, 2021

For the tests to which this accreditation applies, please refer to the laboratory's Construction Materials Scope of Accreditation.