



# CERTIFICATE OF ACCREDITATION



## **Southern Earth Sciences, Inc.**

in

### **Mobile, Alabama, USA**

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories ([aashtoresource.org](http://aashtoresource.org)).

A handwritten signature in black ink, appearing to read 'Jim Tymon', written over a horizontal line.

Jim Tymon,  
AASHTO Executive Director

A handwritten signature in black ink, appearing to read 'Matt Linneman', written over a horizontal line.

Matt Linneman,  
AASHTO COMP Chair

This certificate was generated on 05/17/2026 at 7:42 AM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](http://aashtoresource.org/aap/accreditation-directory)



# SCOPE OF AASHTO ACCREDITATION FOR:

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## Quality Management System

### Standard:

### Accredited Since:

|                   |  |                  |
|-------------------|--|------------------|
| R18               | Establishing and Implementing a Quality System for Construction Materials Testing Laboratories   | 08/15/1997       |
| C1077 (Aggregate) | Laboratories Testing Concrete and Concrete Aggregates  | <b>Suspended</b> |
| C1077 (Concrete)  | Laboratories Testing Concrete and Concrete Aggregates  | 01/10/2011       |
| D3740 (Soil)      | Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction | 02/18/2014       |
| E329 (Aggregate)  | Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction                         | <b>Suspended</b> |
| E329 (Concrete)   | Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction                         | 01/10/2011       |
| E329 (Soil)       | Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction                         | 06/23/2021       |



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## Soil

### Standard:

### Accredited Since:

|       |   |            |
|-------|---|------------|
| R58   | Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test                               | 06/15/2001 |
| T88   | Particle Size Analysis of Soils by Hydrometer   | 06/15/2001 |
| T89   | Determining the Liquid Limit of Soils (Atterberg Limits)  | 06/15/2001 |
| T90   | Plastic Limit of Soils (Atterberg Limits)   | 06/15/2001 |
| T99   | The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop   | 06/15/2001 |
| T100  | Specific Gravity of Soils   | 06/15/2001 |
| T180  | Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop      | 06/15/2001 |
| T193  | The California Bearing Ratio  | 06/15/2001 |
| T208  | Unconfined Compressive Strength of Cohesive Soil  | 06/15/2001 |
| T216  | One-Dimensional Consolidation Properties of Soils Using Incremental Loading                         | 06/15/2001 |
| T265  | Laboratory Determination of Moisture Content of Soils   | 06/15/2001 |
| T310  | In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth) | 06/15/2001 |
| D421  | Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test                               | 06/15/2001 |
| D422  | Particle Size Analysis of Soils by Hydrometer   | 06/15/2001 |
| D698  | The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop   | 06/15/2001 |
| D854  | Specific Gravity of Soils   | 06/15/2001 |
| D1140 | Amount of Material in Soils Finer than the No. 200 (75- $\mu$ m) Sieve                              | 06/15/2001 |
| D1557 | Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop      | 06/15/2001 |
| D1883 | The California Bearing Ratio  | 06/15/2001 |
| D2166 | Unconfined Compressive Strength of Cohesive Soil  | 06/15/2001 |
| D2216 | Laboratory Determination of Moisture Content of Soils   | 06/15/2001 |
| D2435 | One-Dimensional Consolidation Properties of Soils Using Incremental Loading                         | 06/15/2001 |
| D2487 | Classification of Soils for Engineering Purposes (Unified Soil Classification System)               | 04/07/2021 |



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## Soil (Continued)

| <b>Standard:</b>   | <b>Accredited Since:</b> |
|--|--------------------------|
| D4318 Determining the Liquid Limit of Soils (Atterberg Limits)   | 06/15/2001               |
| D4318 Plastic Limit of Soils (Atterberg Limits)  | 06/15/2001               |
| D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter                     | 06/15/2001               |
| D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis                                       | 04/07/2021               |
| D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)        | 06/15/2001               |
| D7928 Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis | 04/07/2021               |



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## Aggregate

| Standard:  | Accredited Since: |
|--|-------------------|
| R76 Reducing Samples of Aggregate to Testing Size  | 06/15/2001        |
| R90 Sampling Aggregate   | 04/07/2021        |
| T11 Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing        | 06/15/2001        |
| T19 Bulk Density ("Unit Weight") and Voids in Aggregate                                      | 06/15/2001        |
| T21 Organic Impurities in Fine Aggregates for Concrete                                       | 06/15/2001        |
| T27 Sieve Analysis of Fine and Coarse Aggregates   | 06/15/2001        |
| T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate                     | 06/15/2001        |
| T85 Specific Gravity and Absorption of Coarse Aggregate                                      | <b>Suspended</b>  |
| T255 Total Moisture Content of Aggregate by Drying   | 06/15/2001        |
| T304 Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)  | 06/15/2001        |
| C29 Bulk Density ("Unit Weight") and Voids in Aggregate                                      | 06/15/2001        |
| C40 Organic Impurities in Fine Aggregates for Concrete                                       | 06/15/2001        |
| C117 Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing       | 06/15/2001        |
| C127 Specific Gravity and Absorption of Coarse Aggregate                                     | <b>Suspended</b>  |
| C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate                    | 06/15/2001        |
| C136 Sieve Analysis of Fine and Coarse Aggregates  | 06/15/2001        |
| C566 Total Moisture Content of Aggregate by Drying   | 06/15/2001        |
| C702 Reducing Samples of Aggregate to Testing Size   | 06/15/2001        |
| C1252 Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading) | 06/15/2001        |
| D75 Sampling Aggregate   | 04/07/2021        |



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**Concrete**

| <b>Standard:</b>          |   | <b>Accredited Since:</b> |
|---------------------------|---|--------------------------|
| M201                      | Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes | 08/17/2012               |
| R39                       | Making and Curing Concrete Test Specimens in the Laboratory   | 08/15/1997               |
| R60                       | Sampling Freshly Mixed Concrete   | 08/15/1997               |
| R100 (Beams)              | Making and Curing Concrete Test Specimens in the Field  | 08/15/1997               |
| R100 (Cylinders)          | Making and Curing Concrete Test Specimens in the Field  | 08/15/1997               |
| T22                       | Compressive Strength of Cylindrical Concrete Specimens  | 08/15/1997               |
| T97                       | Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)                                  | 08/15/1997               |
| T119                      | Slump of Hydraulic Cement Concrete  | 08/15/1997               |
| T121                      | Density (Unit Weight), Yield, and Air Content of Concrete   | 08/15/1997               |
| T152                      | Air Content of Freshly Mixed Concrete by the Pressure Method  | 08/15/1997               |
| T196                      | Air Content of Freshly Mixed Concrete by the Volumetric Method  | 08/15/1997               |
| T231 (7000 psi and below) | Capping Cylindrical Concrete Specimens  | 03/25/2026               |
| T309                      | Temperature of Freshly Mixed Portland Cement Concrete   | 08/15/1997               |
| C31 (Beams)               | Making and Curing Concrete Test Specimens in the Field  | 08/15/1997               |
| C31 (Cylinders)           | Making and Curing Concrete Test Specimens in the Field  | 08/15/1997               |
| C39                       | Compressive Strength of Cylindrical Concrete Specimens  | 08/15/1997               |
| C78                       | Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)                                  | 08/15/1997               |
| C138                      | Density (Unit Weight), Yield, and Air Content of Concrete   | 08/15/1997               |
| C143                      | Slump of Hydraulic Cement Concrete  | 08/15/1997               |
| C172                      | Sampling Freshly Mixed Concrete   | 08/15/1997               |
| C173                      | Air Content of Freshly Mixed Concrete by the Volumetric Method  | 08/15/1997               |
| C192                      | Making and Curing Concrete Test Specimens in the Laboratory   | 08/15/1997               |
| C231                      | Air Content of Freshly Mixed Concrete by the Pressure Method  | 08/15/1997               |



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## Concrete (Continued)

**Standard:**

**Accredited Since:**

|                            |   |            |
|----------------------------|---|------------|
| C511                       | Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes | 08/17/2012 |
| C617 (7000 psi and below)  | Capping Cylindrical Concrete Specimens  | 03/25/2026 |
| C1064                      | Temperature of Freshly Mixed Portland Cement Concrete   | 08/15/1997 |
| C1231 (7000 psi and below) | Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders                | 08/17/2012 |