



CERTIFICATE OF ACCREDITATION



Advanced Terra Testing, Inc.

in

Lakewood, Colorado, 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).

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

Jim Tymon,
AASHTO Executive Director

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

Matt Linneman,
AASHTO COMP Chair

This certificate was generated on 10/27/2026 at 1:25 AM Eastern Time. Please confirm the current accreditation status of this laboratory at 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	03/09/2018
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	07/24/2026
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	07/24/2026
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	07/24/2026
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	07/24/2026
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/24/2026
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/24/2026
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/24/2026



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Asphalt Mixture

Standard:

Accredited Since:

T166 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	07/24/2026
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	07/24/2026
T355	Density of Bituminous Concrete In Place by Nuclear Methods	07/24/2026
D2726 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	07/24/2026
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	07/24/2026



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	07/24/2026
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	07/24/2026
T90	Plastic Limit of Soils (Atterberg Limits)	07/24/2026
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	07/24/2026
T100	Specific Gravity of Soils	07/24/2026
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	07/24/2026
T190	Resistance R-Value and Expansion Pressure of Compacted Soils	07/24/2026
T191	Density of Soil In-Place by the Sand Cone Method	07/24/2026
T193	The California Bearing Ratio	07/24/2026
T208	Unconfined Compressive Strength of Cohesive Soil	07/24/2026
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	07/24/2026
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	07/24/2026
T265	Laboratory Determination of Moisture Content of Soils	07/24/2026
T267	Determination of Organic Content in Soils by Loss on Ignition	07/24/2026
T288	Minimum Soil Resistivity	07/24/2026
T289	pH of Soils for Corrosion Testing	07/24/2026
T290 (Method B)	Determining Water-Soluble Sulfate Ion Content in Soil	07/24/2026
T291	Determining Water-Soluble Chloride Ion Content in Soil	07/24/2026
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	07/24/2026
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	07/24/2026
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	07/24/2026
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	07/24/2026
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/09/2018



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Soil (Continued)

Standard:		Accredited Since:
D854	Specific Gravity of Soils	07/24/2026
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	07/24/2026
D1556	Density of Soil In-Place by the Sand Cone Method	07/24/2026
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	07/24/2026
D1883	The California Bearing Ratio	07/24/2026
D2166	Unconfined Compressive Strength of Cohesive Soil	07/24/2026
D2216	Laboratory Determination of Moisture Content of Soils	03/09/2018
D2434	Permeability of Granular Soils (Constant Head)	07/24/2026
D2435	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	07/24/2026
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	07/24/2026
D2488	Description and Identification of Soils (Visual-Manual Procedure)	07/24/2026
D2844	Resistance R-Value and Expansion Pressure of Compacted Soils	07/24/2026
D2850	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	07/24/2026
D2974	Determination of Organic Content in Soils by Loss on Ignition	12/30/2024
D3080	Direct Shear Test of Soils Under Consolidated Drained Conditions	07/24/2026
D4253	Maximum Index Density and Unit Weight of Soils Using a Vibratory Table	07/24/2026
D4254	Minimum Index Density and Unit Weight of Soils and Calculation of Relative Density	07/24/2026
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	03/09/2018
D4318	Plastic Limit of Soils (Atterberg Limits)	03/09/2018
D4546	One-Dimensional Swell or Settlement Potential of Cohesive Soils	07/24/2026
D4718	Oversize Particle Correction	07/24/2026
D4767	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	07/24/2026
D4829	Expansion Index of Soils	07/24/2026



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Soil (Continued)

Standard:		Accredited Since:
D4943	Shrinkage Factors of Soil by Wax Method	07/24/2026
D4972	pH Testing of Soils	07/24/2026
D5084	Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	07/24/2026
D5334	Determination of Thermal Conductivity of Soil and Rock by Thermal Needle Probe	07/24/2026
D6913	Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	03/09/2018
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	07/24/2026
D7263	Density and Unit Weight of Soil	07/24/2026
D7928	Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	07/24/2026
G51	Measuring pH for Corrosion Testing	07/24/2026
G57	Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	07/24/2026
G187	Soil Resistivity Using the Two-Electrode Soil Box	07/24/2026



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Rock

Standard:

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D3967	Splitting Tensile Strength of Intact Rock Core Specimens	12/29/2021
D4543	Preparing Rock Core as Cylindrical Test Specimens and Verifying Conformance to Dimensional and Shape Tolerances	12/29/2021
D4644	Slake Durability of Shales and Weak Rocks	12/29/2021
D5312	Evaluation of Durability of Rock for Erosion Control Under Freezing and Thawing Conditions	07/24/2026
D5607	Direct Shear Strength Test of Rock Specimens Under Constant Normal Force	07/24/2026
D5731	Point Load Strength Index of Rock	12/29/2021
D7012 (Method C)	Compressive Strength of Rock Core Specimens (Method C)	12/29/2021
D7012 (Method D)	Compressive Strength of Rock Core Specimens (Method D)	07/24/2026



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Aggregate

Standard:

Accredited Since:

T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	07/24/2026
T27	Sieve Analysis of Fine and Coarse Aggregates	07/24/2026
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	07/24/2026
T85	Specific Gravity and Absorption of Coarse Aggregate	07/24/2026
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	07/24/2026
C127	Specific Gravity and Absorption of Coarse Aggregate	07/24/2026
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	07/24/2026
C136	Sieve Analysis of Fine and Coarse Aggregates	07/24/2026