



# CERTIFICATE OF ACCREDITATION



## Viola Engineering, PC

in

## Harrisonburg, Virginia, 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](https://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 06/18/2026 at 9:08 PM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](https://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	11/08/2010
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	02/06/2012
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/14/2013
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/06/2012



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## Soil

### Standard:

### Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	04/05/2018
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	02/06/2012
T90	Plastic Limit of Soils (Atterberg Limits)	02/06/2012
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	02/06/2012
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/06/2012
T193	The California Bearing Ratio	02/06/2012
T208	Unconfined Compressive Strength of Cohesive Soil	04/05/2018
T288	Minimum Soil Resistivity	06/04/2020
T289	pH of Soils for Corrosion Testing	06/04/2020
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	02/06/2012
D854	Specific Gravity of Soils	06/04/2020
D1140	Amount of Material in Soils Finer than the No. 200 (75- $\mu$ m) Sieve	02/06/2012
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/06/2012
D2216	Laboratory Determination of Moisture Content of Soils	02/06/2012
D2435	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	04/08/2026
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	04/08/2026
D2850	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	04/08/2026
D2974	Determination of Organic Content in Soils by Loss on Ignition	11/20/2023
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	02/06/2012
D4318	Plastic Limit of Soils (Atterberg Limits)	02/06/2012
D4767	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	04/08/2026
D5084	Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	06/04/2020
D6913	Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	04/05/2018



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## Soil (Continued)

**Standard:**

**Accredited Since:**

D7928 Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis

06/04/2020



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## Rock

**Standard:**

D4644 Slake Durability of Shales and Weak Rocks

**Accredited Since:**

06/04/2020



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## Concrete

### Standard:

### Accredited Since:

C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	11/08/2010
C39	Compressive Strength of Cylindrical Concrete Specimens	11/08/2010
C138	Density (Unit Weight), Yield, and Air Content of Concrete	11/08/2010
C143	Slump of Hydraulic Cement Concrete	11/08/2010
C172	Sampling Freshly Mixed Concrete	11/08/2010
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	11/08/2010
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	05/14/2013
C1064	Temperature of Freshly Mixed Portland Cement Concrete	11/08/2010
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	11/08/2010