



CERTIFICATE OF ACCREDITATION



Triax Engineering, LLC

in

Denver, 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', written over a horizontal line.

Jim Tymon,
AASHTO Executive Director

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

Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 02/18/2021 at 4:35 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



SCOPE OF AASHTO ACCREDITATION FOR:

Triax Engineering, LLC
in Denver, Colorado, USA

Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	09/15/2017
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	11/16/2017
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	11/16/2017
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	04/30/2019
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	09/15/2017
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	09/15/2017
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/30/2019
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	09/15/2017
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	09/15/2017
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/30/2019



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Asphalt Mixture

Standard:

Accredited Since:

R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	09/15/2017
T30	Mechanical Analysis of Extracted Aggregate	09/15/2017
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	04/30/2019
T168	Sampling Bituminous Paving Mixtures	09/15/2017
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	09/15/2017
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	09/15/2017
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	09/15/2017
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	09/15/2017
T355	Density of Bituminous Concrete In Place by Nuclear Methods	04/30/2019
D979	Sampling Bituminous Paving Mixtures	04/30/2019
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	04/30/2019
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	04/30/2019
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	09/15/2017
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	04/30/2019
D5444	Mechanical Analysis of Extracted Aggregate	04/30/2019
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	04/30/2019
CP-L 5115	HMA Superpave Gyrotory Compactor (Colorado)	04/30/2019



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	09/15/2017
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	09/15/2017
T90	Plastic Limit of Soils (Atterberg Limits)	09/15/2017
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	09/15/2017
T134	Moisture-Density Relations of Soil-Cement Mixtures	09/15/2017
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	09/15/2017
T191	Density of Soil In-Place by the Sand Cone Method	04/30/2019
T208	Unconfined Compressive Strength of Cohesive Soil	09/15/2017
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	04/30/2019
T265	Laboratory Determination of Moisture Content of Soils	09/15/2017
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	09/15/2017
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	09/15/2017
D558	Moisture-Density Relations of Soil-Cement Mixtures	09/15/2017
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	09/15/2017
D1140	Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	09/15/2017
D1556	Density of Soil In-Place by the Sand Cone Method	04/30/2019
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	09/15/2017
D2166	Unconfined Compressive Strength of Cohesive Soil	09/15/2017
D2216	Laboratory Determination of Moisture Content of Soils	09/15/2017
D2435	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	04/30/2019
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	09/15/2017
D2488	Description and Identification of Soils (Visual-Manual Procedure)	09/15/2017
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	09/15/2017



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Soil (Continued)

Standard:

Accredited Since:

D4318 Plastic Limit of Soils (Atterberg Limits)	09/15/2017
D4972 pH Testing of Soils	04/30/2019
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	09/15/2017
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	09/15/2017



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Aggregate

Standard:

Accredited Since:

C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	11/16/2017
C127	Specific Gravity and Absorption of Coarse Aggregate	11/16/2017
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	11/16/2017
C136	Sieve Analysis of Fine and Coarse Aggregates	11/16/2017
C566	Total Moisture Content of Aggregate by Drying	11/16/2017
C702	Reducing Samples of Aggregate to Testing Size	11/16/2017
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	11/16/2017



SCOPE OF AASHTO ACCREDITATION FOR:

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Sprayed Fire-Resistive Material

Standard:

Accredited Since:

E605 Thickness and Density of Sprayed Fire-Resistive Material(SFRM) Applied to Structural Members

04/30/2019

E736 Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members

04/30/2019



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Concrete

Standard:		Accredited Since:
C31	Making and Curing Concrete Test Specimens in the Field	11/16/2017
C39	Compressive Strength of Cylindrical Concrete Specimens	11/16/2017
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	11/16/2017
C138	Density (Unit Weight), Yield, and Air Content of Concrete	11/16/2017
C143	Slump of Hydraulic Cement Concrete	11/16/2017
C172	Sampling Freshly Mixed Concrete	11/16/2017
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	11/16/2017
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/16/2017
C1064	Temperature of Freshly Mixed Portland Cement Concrete	11/16/2017
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	11/16/2017