



# CERTIFICATE OF ACCREDITATION



## **Ninyo & Moore Geotechnical and Environmental Sciences Consultants**

in

## **Centennial, 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](https://www.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 06/24/2024 at 6:23 PM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](https://www.aashtoresource.org/aap/accreditation-directory)



# SCOPE OF AASHTO ACCREDITATION FOR:

Ninyo & Moore Geotechnical and Environmental Sciences Consultants  
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## Quality Management System

### Standard:

### Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	07/21/2022
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	11/29/2022
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	07/21/2022
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	07/21/2022
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	02/24/2023
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	02/24/2023
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/24/2023
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/24/2023
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/21/2022
E329 (Masonry)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/21/2022



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## Asphalt Mixture

Standard:	Accredited Since:
R47 Reducing Samples of Hot-Mix Asphalt to Testing Size	12/05/2022
R68 Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	12/05/2022
T30 Mechanical Analysis of Extracted Aggregate	12/05/2022
T166 Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	12/05/2022
T209 Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	12/05/2022
T269 Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	12/05/2022
T308 Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	12/05/2022
T329 Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	08/02/2022
T355 Density of Bituminous Concrete In Place by Nuclear Methods	08/02/2022
D2041 Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	12/05/2022
D2726 Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	12/05/2022
D2950 Density of Bituminous Concrete In Place by Nuclear Methods	08/02/2022
D3203 Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	12/05/2022
D3549 Thickness or Height of Compacted Bituminous Paving Mixture Specimens	12/05/2022
D5444 Mechanical Analysis of Extracted Aggregate	12/05/2022
D6307 Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	12/05/2022
D6926 Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	12/05/2022
CP-L 5115 HMA Superpave Gyratory Compactor (Colorado)	12/05/2022



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## Soil

### Standard:

### Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	12/05/2022
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	08/02/2022
T90	Plastic Limit of Soils (Atterberg Limits)	08/02/2022
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	08/02/2022
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	08/02/2022
T191	Density of Soil In-Place by the Sand Cone Method	08/02/2022
T193	The California Bearing Ratio	12/05/2022
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	12/05/2022
T265	Laboratory Determination of Moisture Content of Soils	08/02/2022
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	08/02/2022
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	12/05/2022
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	08/02/2022
D1140	Amount of Material in Soils Finer than the No. 200 (75- $\mu$ m) Sieve	12/05/2022
D1556	Density of Soil In-Place by the Sand Cone Method	08/02/2022
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	08/02/2022
D1883	The California Bearing Ratio	12/05/2022
D2216	Laboratory Determination of Moisture Content of Soils	08/02/2022
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	08/02/2022
D2488	Description and Identification of Soils (Visual-Manual Procedure)	08/02/2022
D3080	Direct Shear Test of Soils Under Consolidated Drained Conditions	12/05/2022
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	08/02/2022
D4318	Plastic Limit of Soils (Atterberg Limits)	08/02/2022
D4546	One-Dimensional Swell or Settlement Potential of Cohesive Soils	08/02/2022



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## Soil (Continued)

**Standard:**

**Accredited Since:**

D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)

08/02/2022

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

02/24/2023



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## Aggregate

### Standard:

### Accredited Since:

R76	Reducing Samples of Aggregate to Testing Size	08/02/2022
T11	Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	08/02/2022
T19	Bulk Density ("Unit Weight") and Voids in Aggregate	12/05/2022
T27	Sieve Analysis of Fine and Coarse Aggregates	12/05/2022
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	08/02/2022
T85	Specific Gravity and Absorption of Coarse Aggregate	11/29/2022
T112	Clay Lumps and Friable Particles in Aggregate	08/02/2022
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	08/02/2022
T255	Total Moisture Content of Aggregate by Drying	08/02/2022
C29	Bulk Density ("Unit Weight") and Voids in Aggregate	12/05/2022
C117	Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	08/02/2022
C127	Specific Gravity and Absorption of Coarse Aggregate	11/29/2022
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	08/02/2022
C136	Sieve Analysis of Fine and Coarse Aggregates	12/05/2022
C142	Clay Lumps and Friable Particles in Aggregate	08/02/2022
C566	Total Moisture Content of Aggregate by Drying	08/02/2022
C702	Reducing Samples of Aggregate to Testing Size	08/02/2022
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	08/02/2022



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## Concrete

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	07/21/2022
R39	Making and Curing Concrete Test Specimens in the Laboratory	07/21/2022
R60	Sampling Freshly Mixed Concrete	07/21/2022
R100 (Beams)	Making and Curing Concrete Beam Test Specimens in the Field	07/21/2022
R100 (Cylinders)	Making and Curing Concrete Cylinder Test Specimens in the Field	07/21/2022
T22	Compressive Strength of Cylindrical Concrete Specimens	07/21/2022
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	07/21/2022
T119	Slump of Hydraulic Cement Concrete	07/21/2022
T121	Density (Unit Weight), Yield, and Air Content of Concrete	07/21/2022
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	07/21/2022
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	07/21/2022
T231 (5000 psi and below)	Capping Cylindrical Concrete Specimens	07/21/2022
T309	Temperature of Freshly Mixed Portland Cement Concrete	07/21/2022
C31 (Beams)	Making and Curing Concrete Beam Test Specimens in the Field	07/21/2022
C31 (Cylinders)	Making and Curing Concrete Cylinder Test Specimens in the Field	07/21/2022
C39	Compressive Strength of Cylindrical Concrete Specimens	07/21/2022
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	07/21/2022
C138	Density (Unit Weight), Yield, and Air Content of Concrete	07/21/2022
C143	Slump of Hydraulic Cement Concrete	07/21/2022
C172	Sampling Freshly Mixed Concrete	07/21/2022
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	07/21/2022
C192	Making and Curing Concrete Test Specimens in the Laboratory	07/21/2022
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	07/21/2022



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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	07/21/2022
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	03/13/2023
C1064	Temperature of Freshly Mixed Portland Cement Concrete	07/21/2022
C1140 (Obtaining and Testing Specimens)	Preparing and Testing Specimens from Shotcrete Test Panels	07/21/2022
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	07/21/2022





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## Masonry

**Standard:**

**Accredited Since:**

C140 (Concrete Masonry Units) Sampling and Testing Concrete Masonry Units and Related Units	07/21/2022
C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	07/21/2022
C780 (Annex 1) Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration	07/21/2022
C780 (Annex 6 - Cylinders) Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength of Cylinders	07/21/2022
C1019 Sampling and Testing Grout	07/21/2022
C1314 Compressive Strength of Masonry Prisms	07/21/2022
C1552 Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	07/21/2022