



CERTIFICATE OF ACCREDITATION



Ninyo & Moore Geotechnical and Environmental Sciences Consultant Corporation

in

North Salt Lake, Utah, 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 8:04 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 Consultant Corporation
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Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	01/05/2021
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/26/2021
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	02/16/2021
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	01/26/2021
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/16/2021



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Asphalt Mixture

Standard:	Accredited Since:
R68 Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	01/05/2021
T30 Mechanical Analysis of Extracted Aggregate	01/05/2021
T166 Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	11/06/2023
T209 Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	01/05/2021
T245 Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	01/05/2021
T308 Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	01/05/2021
T312 Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	11/06/2023
D2041 Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	01/05/2021
D2726 Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	11/06/2023
D3549 Thickness or Height of Compacted Bituminous Paving Mixture Specimens	01/05/2021
D5444 Mechanical Analysis of Extracted Aggregate	01/05/2021
D6307 Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	01/05/2021
D6925 Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	11/06/2023
D6926 Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	01/05/2021
D6927 Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	01/05/2021



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Soil

Standard:	Accredited Since:
R58 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/05/2021
T88 Particle Size Analysis of Soils by Hydrometer	01/05/2021
T89 Determining the Liquid Limit of Soils (Atterberg Limits)	01/05/2021
T90 Plastic Limit of Soils (Atterberg Limits)	01/05/2021
T99 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/05/2021
T180 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/05/2021
T191 Density of Soil In-Place by the Sand Cone Method	01/05/2021
T193 The California Bearing Ratio	01/05/2021
T265 Laboratory Determination of Moisture Content of Soils	01/05/2021
T310 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/05/2021
D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/05/2021
D422 Particle Size Analysis of Soils by Hydrometer	01/05/2021
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/05/2021
D1140 Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	01/05/2021
D1556 Density of Soil In-Place by the Sand Cone Method	01/05/2021
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/05/2021
D1883 The California Bearing Ratio	01/05/2021
D2216 Laboratory Determination of Moisture Content of Soils	01/05/2021
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	01/05/2021
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	01/05/2021
D4318 Plastic Limit of Soils (Atterberg Limits)	01/05/2021
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	01/05/2021
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/05/2021



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Aggregate

Standard:	Accredited Since:
R76 Reducing Samples of Aggregate to Testing Size	01/05/2021
T11 Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	01/05/2021
T27 Sieve Analysis of Fine and Coarse Aggregates	01/05/2021
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/05/2021
T85 Specific Gravity and Absorption of Coarse Aggregate	01/05/2021
T104 Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	01/05/2021
T112 Clay Lumps and Friable Particles in Aggregate	01/05/2021
T113 Lightweight Pieces in Aggregate	01/05/2021
T176 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	01/05/2021
T255 Total Moisture Content of Aggregate by Drying	01/05/2021
T304 Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	01/05/2021
C88 Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	01/05/2021
C117 Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	01/05/2021
C123 Lightweight Pieces in Aggregate	01/05/2021
C127 Specific Gravity and Absorption of Coarse Aggregate	01/05/2021
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/05/2021
C136 Sieve Analysis of Fine and Coarse Aggregates	01/05/2021
C142 Clay Lumps and Friable Particles in Aggregate	01/05/2021
C566 Total Moisture Content of Aggregate by Drying	01/05/2021
C702 Reducing Samples of Aggregate to Testing Size	01/05/2021
C1252 Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	01/05/2021
D2419 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	01/05/2021
D4791 Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	01/05/2021



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Aggregate (Continued)

Standard:

Accredited Since:

D5821 Determining the Percentage of Fractured Particles in Coarse Aggregate

01/05/2021



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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	02/16/2021
R39	Making and Curing Concrete Test Specimens in the Laboratory	02/16/2021
R60	Sampling Freshly Mixed Concrete	02/16/2021
R100 (Beams)	Making and Curing Concrete Beam Test Specimens in the Field	02/16/2021
R100 (Cylinders)	Making and Curing Concrete Cylinder Test Specimens in the Field	02/16/2021
T22	Compressive Strength of Cylindrical Concrete Specimens	02/16/2021
T24	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	02/16/2021
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	02/16/2021
T119	Slump of Hydraulic Cement Concrete	02/16/2021
T121	Density (Unit Weight), Yield, and Air Content of Concrete	02/16/2021
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	02/16/2021
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	02/16/2021
T231 (5000 psi and below)	Capping Cylindrical Concrete Specimens	04/04/2023
T309	Temperature of Freshly Mixed Portland Cement Concrete	02/16/2021
C31 (Beams)	Making and Curing Concrete Beam Test Specimens in the Field	02/16/2021
C31 (Cylinders)	Making and Curing Concrete Cylinder Test Specimens in the Field	02/16/2021
C39	Compressive Strength of Cylindrical Concrete Specimens	02/16/2021
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	02/16/2021
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	02/16/2021
C138	Density (Unit Weight), Yield, and Air Content of Concrete	02/16/2021
C143	Slump of Hydraulic Cement Concrete	02/16/2021
C172	Sampling Freshly Mixed Concrete	02/16/2021
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	02/16/2021



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Concrete (Continued)

Standard:		Accredited Since:
C192	Making and Curing Concrete Test Specimens in the Laboratory	02/16/2021
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	02/16/2021
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	02/16/2021
C617 (5000 psi and below)	Capping Cylindrical Concrete Specimens	04/04/2023
C1064	Temperature of Freshly Mixed Portland Cement Concrete	02/16/2021
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	02/16/2021
C1542	Measuring Length of Concrete Cores	02/16/2021



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Masonry

Standard:

Accredited Since:

C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	04/07/2021
C780 (Annex 1)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration	02/16/2021
C780 (Annex 6 - Cubes)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength of Cubes	05/10/2023
C1019	Sampling and Testing Grout	04/07/2021