



CERTIFICATE OF ACCREDITATION



GeoStrata Engineering & Geosciences LLC

in

Bluffdale, 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 02/29/2024 at 4:07 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:

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Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	03/15/2002
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/19/2022
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	05/10/2018
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	06/05/2019
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	07/18/2017
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	06/11/2013
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/05/2019
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/05/2019
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/10/2018
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/11/2013



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Asphalt Mixture

Standard:

Accredited Since:

T30	Mechanical Analysis of Extracted Aggregate	03/15/2002
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/15/2002
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	03/15/2002
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	03/15/2002
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	03/15/2002
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	03/15/2002
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	11/02/2012
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	11/02/2012
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	11/02/2012
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	11/02/2012
D5444	Mechanical Analysis of Extracted Aggregate	11/02/2012
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	11/02/2012
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	11/02/2012



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/05/2019
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	03/15/2002
T90	Plastic Limit of Soils (Atterberg Limits)	03/15/2002
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/15/2002
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	03/15/2002
T193	The California Bearing Ratio	03/15/2002
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	03/15/2002
T265	Laboratory Determination of Moisture Content of Soils	03/15/2002
T288	Minimum Soil Resistivity	10/25/2022
T289	pH of Soils for Corrosion Testing	10/25/2022
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/15/2002
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/05/2019
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	11/02/2012
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	11/02/2012
D1883	The California Bearing Ratio	11/02/2012
D2216	Laboratory Determination of Moisture Content of Soils	11/02/2012
D3080	Direct Shear Test of Soils Under Consolidated Drained Conditions	11/02/2012
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	11/02/2012
D4318	Plastic Limit of Soils (Atterberg Limits)	11/02/2012
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	11/02/2012



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Aggregate

Standard:

Accredited Since:

R76	Reducing Samples of Aggregate to Testing Size	05/24/2016
T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	05/24/2016
T19	Bulk Density ("Unit Weight") and Voids in Aggregate	05/24/2016
T21	Organic Impurities in Fine Aggregates for Concrete	05/24/2016
T27	Sieve Analysis of Fine and Coarse Aggregates	05/24/2016
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	05/24/2016
T85	Specific Gravity and Absorption of Coarse Aggregate	05/24/2016
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	05/10/2018
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	05/24/2016
T112	Clay Lumps and Friable Particles in Aggregate	05/24/2016
T255	Total Moisture Content of Aggregate by Drying	05/24/2016
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	08/24/2015
C29	Bulk Density ("Unit Weight") and Voids in Aggregate	05/24/2016
C40	Organic Impurities in Fine Aggregates for Concrete	05/24/2016
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	05/24/2016
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	05/24/2016
C127	Specific Gravity and Absorption of Coarse Aggregate	05/24/2016
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	05/24/2016
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	05/10/2018
C136	Sieve Analysis of Fine and Coarse Aggregates	05/24/2016
C142	Clay Lumps and Friable Particles in Aggregate	05/24/2016
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	05/10/2018
C566	Total Moisture Content of Aggregate by Drying	05/24/2016



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Aggregate (Continued)

Standard:

Accredited Since:

C702 Reducing Samples of Aggregate to Testing Size	05/24/2016
D4791 Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	03/15/2002
D5821 Determining the Percentage of Fractured Particles in Coarse Aggregate	03/15/2002



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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	05/24/2016
R60	Sampling Freshly Mixed Concrete	05/24/2016
R100	Making and Curing Concrete Test Specimens in the Field	05/10/2018
T22	Compressive Strength of Cylindrical Concrete Specimens	05/10/2018
T24	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	05/10/2018
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	05/24/2016
T119	Slump of Hydraulic Cement Concrete	05/10/2018
T121	Density (Unit Weight), Yield, and Air Content of Concrete	05/24/2016
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	05/10/2018
T160	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	01/19/2022
T162	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	01/19/2022
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	05/10/2018
T231 (7000 psi and below)	Capping Cylindrical Concrete Specimens	02/23/2022
T303	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	01/19/2022
T309	Temperature of Freshly Mixed Portland Cement Concrete	05/24/2016
C31	Making and Curing Concrete Test Specimens in the Field	05/10/2018
C39	Compressive Strength of Cylindrical Concrete Specimens	05/10/2018
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	05/10/2018
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	05/24/2016
C138	Density (Unit Weight), Yield, and Air Content of Concrete	05/24/2016
C143	Slump of Hydraulic Cement Concrete	05/10/2018
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	01/19/2022
C172	Sampling Freshly Mixed Concrete	05/24/2016



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Concrete (Continued)

Standard:	Accredited Since:
C173 Air Content of Freshly Mixed Concrete by the Volumetric Method	05/10/2018
C231 Air Content of Freshly Mixed Concrete by the Pressure Method	05/10/2018
C305 Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	01/19/2022
C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	05/24/2016
C617 (7000 psi and below) Capping Cylindrical Concrete Specimens	02/23/2022
C1064 Temperature of Freshly Mixed Portland Cement Concrete	05/24/2016
C1231 (7000 psi and below) Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	05/24/2016
C1260 Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	01/19/2022
C1293 Determination of Length Change of Concrete Due to Alkali-Silica Reaction	01/19/2022
C1542 Measuring Length of Concrete Cores	05/10/2018
C1567 Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	01/19/2022



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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	05/24/2016
C780 (Annex 1)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration	01/19/2022
C780 (Annex 6 - Cubes)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength of Cubes	01/19/2022
C1019	Sampling and Testing Grout	05/24/2016
C1314	Compressive Strength of Masonry Prisms	05/24/2016
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	05/24/2016