



CERTIFICATE OF ACCREDITATION



GeoStructures, Inc.

in

King of Prussia, Pennsylvania, 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 06/15/2024 at 12:36 AM 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	01/02/2003
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	11/15/2022
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	08/07/2014
C1222 (Cement)	Evaluation of Laboratories Testing Hydraulic Cement	09/15/2022
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	12/22/2022
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	12/22/2022
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	12/22/2022



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Asphalt Binder

Standard:

Accredited Since:

T49 Penetration of Original Sample of Asphalt Cement

12/22/2022

D5 Penetration of Original Sample of Asphalt Cement

12/22/2022



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Emulsified Asphalt

Standard:

Accredited Since:

T59	Residue by Distillation	12/22/2022
T59	Saybolt Viscosity at 25°C (77°F)	12/22/2022
T59	Saybolt Viscosity at 50°C (122°F)	12/22/2022
D6997	Residue by Distillation	12/22/2022
D7496	Saybolt Viscosity at 25°C (77°F)	12/22/2022
D7496	Saybolt Viscosity at 50°C (122°F)	12/22/2022



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Asphalt Mixture

Standard:

Accredited Since:

T30	Mechanical Analysis of Extracted Aggregate	12/22/2022
T164	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	12/22/2022
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	12/22/2022
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	12/22/2022
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	12/22/2022
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	12/22/2022
D2172	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	12/22/2022
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	12/22/2022
D5444	Mechanical Analysis of Extracted Aggregate	12/22/2022
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	12/22/2022



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Soil

Standard:	Accredited Since:	
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/02/2003
T88	Particle Size Analysis of Soils by Hydrometer	01/02/2003
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	01/02/2003
T90	Plastic Limit of Soils (Atterberg Limits)	01/02/2003
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/02/2003
T100	Specific Gravity of Soils	01/02/2003
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/02/2003
T193	The California Bearing Ratio	01/02/2003
T208	Unconfined Compressive Strength of Cohesive Soil	01/02/2003
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	01/02/2003
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	01/02/2003
T265	Laboratory Determination of Moisture Content of Soils	01/02/2003
T288	Minimum Soil Resistivity	12/22/2022
T289	pH of Soils for Corrosion Testing	12/22/2022
T290 (Method B)	Determining Water-Soluble Sulfate Ion Content in Soil	12/22/2022
T291	Determining Water-Soluble Chloride Ion Content in Soil	12/22/2022
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	03/06/2017
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	01/02/2003
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/02/2003
D422	Particle Size Analysis of Soils by Hydrometer	01/02/2003
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/02/2003
D854	Specific Gravity of Soils	01/02/2003
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/02/2003



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Soil (Continued)

Standard:	Accredited Since:	
D1883	The California Bearing Ratio	01/02/2003
D2166	Unconfined Compressive Strength of Cohesive Soil	01/02/2003
D2216	Laboratory Determination of Moisture Content of Soils	01/02/2003
D2435	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	01/02/2003
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	01/02/2003
D2850	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	03/06/2017
D3080	Direct Shear Test of Soils Under Consolidated Drained Conditions	01/02/2003
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	01/02/2003
D4318	Plastic Limit of Soils (Atterberg Limits)	01/02/2003
D4767	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	01/02/2003
D4972	pH Testing of Soils	12/22/2022
D5084	Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	01/02/2003
D6913	Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	12/30/2019
D7928	Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	12/30/2019
G187	Soil Resistivity Using the Two-Electrode Soil Box	12/22/2022



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Aggregate

Standard:

Accredited Since:

R76 Reducing Samples of Aggregate to Testing Size	12/07/2022
T11 Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	12/07/2022
T27 Sieve Analysis of Fine and Coarse Aggregates	12/07/2022
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	12/07/2022
T85 Specific Gravity and Absorption of Coarse Aggregate	12/07/2022
T96 Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	12/07/2022
T104 Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	12/07/2022
T255 Total Moisture Content of Aggregate by Drying	12/07/2022
C88 Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	10/06/2022
C117 Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	10/06/2022
C127 Specific Gravity and Absorption of Coarse Aggregate	10/06/2022
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	10/06/2022
C131 Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	10/06/2022
C136 Sieve Analysis of Fine and Coarse Aggregates	10/06/2022
C535 Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	10/06/2022
C566 Total Moisture Content of Aggregate by Drying	10/06/2022
C702 Reducing Samples of Aggregate to Testing Size	10/06/2022



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Concrete

Standard:		Accredited Since:
C31 (Cylinders)	Making and Curing Concrete Cylinder Test Specimens in the Field	08/07/2014
C39	Compressive Strength of Cylindrical Concrete Specimens	08/07/2014
C138	Density (Unit Weight), Yield, and Air Content of Concrete	07/27/2012
C143	Slump of Hydraulic Cement Concrete	07/27/2012
C172	Sampling Freshly Mixed Concrete	07/27/2012
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	06/11/2014
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	07/27/2012
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	08/07/2014
C617 (12000 psi and below)	Capping Cylindrical Concrete Specimens	07/17/2019
C1064	Temperature of Freshly Mixed Portland Cement Concrete	07/27/2012
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	07/27/2012



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Cement - Physical Tests

Standard:

Accredited Since:

C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	09/15/2022
C151	Autoclave Expansion of Portland Cement	09/15/2022
C183	Sampling and the Amount of Testing of Hydraulic Cement	09/15/2022
C185	Air Content of Hydraulic Cement Mortar	09/15/2022
C187	Normal Consistency of Hydraulic Cement	09/15/2022
C191	Time of Setting of Hydraulic Cement by Vicat Needle	09/15/2022
C204	Fineness of Hydraulic Cement by Air Permeability Apparatus	09/15/2022
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	09/15/2022
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/15/2022
C1437	Flow of Hydraulic Cement Mortar	09/15/2022



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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	01/03/2017
C1019 Sampling and Testing Grout	01/03/2017
C1314 Compressive Strength of Masonry Prisms	01/03/2017
C1552 Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	01/03/2017