



CERTIFICATE OF ACCREDITATION



Applied Testing & Geosciences, LLC

in

Bridgeport, 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 06/06/2023 at 5:12 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	07/31/2017
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	07/31/2017
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	09/24/2019
C1222 (Cement)	Evaluation of Laboratories Testing Hydraulic Cement	09/24/2019



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Aggregate

Standard:

Accredited Since:

T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	07/31/2017
T27	Sieve Analysis of Fine and Coarse Aggregates	07/31/2017
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	07/31/2017
T85	Specific Gravity and Absorption of Coarse Aggregate	07/31/2017
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	07/31/2017
C127	Specific Gravity and Absorption of Coarse Aggregate	07/31/2017
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	07/31/2017
C136	Sieve Analysis of Fine and Coarse Aggregates	07/31/2017



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Concrete

Standard:

Accredited Since:

T358	Surface Resistivity Indication of Concrete's Ability to Resist Chloride Ion Penetration	05/23/2022
C31	Making and Curing Concrete Test Specimens in the Field	09/24/2019
C39	Compressive Strength of Cylindrical Concrete Specimens	09/24/2019
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	09/24/2019
C138	Density (Unit Weight), Yield, and Air Content of Concrete	09/24/2019
C143	Slump of Hydraulic Cement Concrete	09/24/2019
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	09/24/2019
C172	Sampling Freshly Mixed Concrete	09/24/2019
C192	Making and Curing Concrete Test Specimens in the Laboratory	09/24/2019
C215	Fundamental Transverse, Longitudinal and Torsional Frequencies of Concrete Specimens	09/24/2019
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	09/24/2019
C232	Bleeding of Concrete	05/23/2022
C233	Air-Entraining Admixtures for Concrete	05/23/2022
C403	Time of Setting of Concrete Mixtures by Penetration Resistance	09/24/2019
C457	Microscopical Determination of Parameters of the Air-Void System in Hardened Concrete	05/23/2022
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/24/2019
C666	Resistance of Concrete to Rapid Freezing and Thawing	09/24/2019
C1064	Temperature of Freshly Mixed Portland Cement Concrete	09/24/2019
C1152	Acid-Soluble Chloride in Mortar and Concrete	05/23/2022
C1218	Water-Soluble Chloride in Mortar and Concrete	05/23/2022
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	09/24/2019
G109	Determining Effects of Chemical Admixtures on Corrosion of Embedded Steel Reinforcement in Concrete Exposed to Chloride Environments	05/23/2022



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Cement - Physical Tests

Standard:

Accredited Since:

C151 Autoclave Expansion of Portland Cement	09/24/2019
C157 Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	09/24/2019
C183 Sampling and the Amount of Testing of Hydraulic Cement	09/24/2019
C187 Normal Consistency of Hydraulic Cement	09/24/2019
C188 Density of Hydraulic Cement	Suspended
C191 Time of Setting of Hydraulic Cement by Vicat Needle	09/24/2019
C305 Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	09/24/2019
C430 Fineness of Hydraulic Cement by the 45- μ m (No. 325) Sieve	09/24/2019
C451 Early Stiffening of Hydraulic Cement (Paste Method)	09/24/2019
C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/24/2019
C1038 Expansion of Hydraulic Cement Mortar Bars Stored in Water	09/24/2019
C1437 Flow of Hydraulic Cement Mortar	09/24/2019
C1506 Water Retention of Hydraulic Cement-Based Mortars and Plasters	Suspended



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Cementitious Material - Chemical Tests

Standard:

C114 Chloride – Reference

Accredited Since:

09/24/2019