Certificate of Accreditation

Pennsylvania Department of Transportation

in

Harrisburg, 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).

Jim Tymon,
AASHTO Executive Director

Matt Linneman,
AASHTO COMP Chair

This certificate was generated on 01/27/2026 at 10:35 PM Eastern Time. Please confirm the current accreditation status of this laboratory at 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	12/01/1990
ISO/IEC 17025	General Requirements for the Competence of Testing and Calibration Laboratories	07/17/2003
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1222 (Cement)	Evaluation of Laboratories Testing Hydraulic Cement	01/10/2011

Scope of AASHTO Accreditation for:

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Asphalt Binder

Standard:		Accredited Since:
R28	Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel	06/08/2004
R29	Grading or Verifying the Performance Grade of an Asphalt Binder	02/01/2016
T49	Penetration of Original Sample of Asphalt Cement	08/29/2011
T53	Softening Point of Bitumen (Ring-and-Ball Apparatus)	06/08/2004
T240	Rolling Thin-Film Oven Testing	08/29/2011
T301	Elastic Recovery Test of Bituminous Materials by Means of a Ductilometer	02/01/2016
T313	Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	08/29/2011
T315	Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	06/08/2004
T316	Viscosity Determination of Asphalt Binder Using Rotational Viscometer	08/29/2011
T350	Multiple Stress Creep and Recovery (MSCR)	02/01/2016

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Emulsified Asphalt

Standard:		Accredited Since:
T59	Particle Charge	06/08/2004
T59	Residue by Distillation	06/08/2004
T59-T72	Saybolt Furol Viscosity at 25°C (77°F)	08/29/2011
T59-T72	Saybolt Furol Viscosity at 50°C (122°F)	08/29/2011

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Asphalt Mixture

Standard:		Accredited Since:
T30	Mechanical Analysis of Extracted Aggregate	06/08/2004
T164	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	06/08/2004
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	06/08/2004
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	06/08/2004
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	06/08/2004
T275	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	06/08/2004
T283	Resistance of Compacted Mixtures to Moisture Induced Damage	06/08/2004
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	06/08/2004
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	06/08/2004
T324	Hamburg Wheel-Track Testing of Compacted Hot-Mix Asphalt (HMA)	12/11/2017
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	02/16/2021
D7906	Recovery of Asphalt Using Toluene and Rotavapor	11/30/2023

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/01/1992
T88	Particle Size Analysis of Soils by Hydrometer	01/01/1992
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	01/01/1992
T90	Plastic Limit of Soils (Atterberg Limits)	01/01/1992
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/01/1992
T100	Specific Gravity of Soils	01/01/1992
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/01/1992
T193	The California Bearing Ratio	01/01/1992
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	01/01/1992
T265	Laboratory Determination of Moisture Content of Soils	01/01/1992
T267	Determination of Organic Content in Soils by Loss on Ignition	02/01/2016
T288	Minimum Soil Resistivity	12/11/2017
T289	pH of Soils for Corrosion Testing	02/01/2016
T290 (Method B)	Determining Water-Soluble Sulfate Ion Content in Soil	02/16/2021
T291	Determining Water-Soluble Chloride Ion Content in Soil	02/16/2021

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	12/01/1990
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	12/01/1990
T19	Bulk Density (“Unit Weight”) and Voids in Aggregate	12/01/1990
T21	Organic Impurities in Fine Aggregates for Concrete	12/01/1990
T27	Sieve Analysis of Fine and Coarse Aggregates	12/01/1990
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	12/01/1990
T85	Specific Gravity and Absorption of Coarse Aggregate	12/01/1990
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	12/01/1990
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	12/01/1990
T255	Total Moisture Content of Aggregate by Drying	12/01/1990
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	12/01/1990
T327	Resistance to Abrasion by Micro-Deval (Coarse Aggregate)	03/09/2016
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	02/01/2016
D5821	Determining the Percentage of Fractured Particles in Coarse Aggregate	01/07/2014

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Iron and Steel

Standard:		Accredited Since:
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	02/01/2016
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	02/01/2016
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	02/01/2016
M31-T285	Carbon-Steel Bars, Deformed and Plain: Bend Test	07/18/2007
M203-T244	Steel Strand, Uncoated Seven-Wire: Tension (Elongation)	02/16/2021
M203-T244	Steel Strand, Uncoated Seven-Wire: Tension (Ultimate Tensile Strength)	02/16/2021
M203-T244	Steel Strand, Uncoated Seven-Wire: Tension (Yield Strength)	02/16/2021
A775	Epoxy Coated Reinforcing Bars: Coating Flexibility (Bend Test)	01/07/2014
A775	Epoxy Coated Reinforcing Bars: Film Thickness	01/07/2014
A1064	Welded Deformed Steel Wire: Bend Test	07/18/2007
A1064	Welded Deformed Steel Wire: Weld Shear	02/01/2016
A1064	Welded Plain Steel Wire: Bend Test	07/18/2007
A1064	Welded Plain Steel Wire: Weld Shear	12/11/2017
A123-A90	Zinc Coatings on Iron and Steel: Thickness of Zinc (Stripping)	02/01/2016
A563-E18	Internally Threaded Fasteners (Nuts): Rockwell Hardness	02/01/2016
A775-G62	Epoxy Coated Reinforcing Bars: Coating Continuity (Holidays)	02/01/2016
A123-E376	Zinc Coatings on Iron and Steel: Thickness of Zinc (Magnetic)	08/29/2011
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	02/01/2016
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	02/01/2016
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	02/01/2016
A615-E290	Carbon-Steel Bars, Deformed and Plain: Bend Test	07/18/2007
A1064-A370	Welded Deformed Steel Wire: Tension (Ultimate Tensile Strength)	02/01/2016
A1064-A370	Welded Deformed Steel Wire: Tension (Yield Strength)	02/01/2016

Iron and Steel (Continued)

Standard:		Accredited Since:
A1064-A370	Welded Plain Steel Wire: Tension (Ultimate Tensile Strength)	12/11/2017
A615-A1034	Carbon-Steel Bars, Deformed and Plain: Testing Mechanical Splices	12/11/2017
F436-E18	Hardened Steel Washers: Rockwell Hardness	02/01/2016
F3125-E18	Externally Threaded Fasteners (Bolts): Rockwell Hardness	07/18/2007

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Cementitious Material - Chemical Tests

Standard:	Accredited Since:
C114 Aluminum Oxide – X-Ray Fluorescence	11/01/1997
C114 Calcium Oxide – X-Ray Fluorescence	11/01/1997
C114 Chloride – X-Ray Fluorescence	**Suspended**
C114 Ferric Oxide – X-Ray Fluorescence	11/01/1997
C114 Loss on Ignition – Reference	11/01/1997
C114 Magnesium Oxide – X-Ray Fluorescence	11/01/1997
C114 Manganic Oxide – X-Ray Fluorescence	01/10/2013
C114 Phosphorus Pentoxide – X-Ray Fluorescence	11/01/1997
C114 Potassium Oxide – X-Ray Fluorescence	11/01/1997
C114 Silicon Dioxide – X-Ray Fluorescence	11/01/1997
C114 Sodium Oxide – X-Ray Fluorescence	11/01/1997
C114 Sulfur Trioxide – X-Ray Fluorescence	11/01/1997
C114 Titanium Dioxide – X-Ray Fluorescence	01/10/2013
C114 Zinc Oxide – X-Ray Fluorescence	11/01/1997

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Cement - Physical Tests

Standard:		Accredited Since:
C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	11/01/1997
C114 (Loss on Ignition - Reference)	Loss on Ignition – Reference	06/26/2017
C183	Sampling and the Amount of Testing of Hydraulic Cement	11/01/1997
C185	Air Content of Hydraulic Cement Mortar	11/01/1997
C187	Normal Consistency of Hydraulic Cement	11/01/1997
C188	Density of Hydraulic Cement	06/26/2017
C191	Time of Setting of Hydraulic Cement by Vicat Needle	11/01/1997
C204	Fineness of Hydraulic Cement by Air Permeability Apparatus	**Suspended**
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	11/01/1997
C430	Fineness of Hydraulic Cement by the 45-µm (No. 325) Sieve	11/01/1997
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	01/10/2013
C1038	Expansion of Hydraulic Cement Mortar Bars Stored in Water	11/01/1997
C1437	Flow of Hydraulic Cement Mortar	11/01/1997

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Concrete

Standard:		Accredited Since:
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	12/01/1990
C39	Compressive Strength of Cylindrical Concrete Specimens	12/01/1990
C138	Density (Unit Weight), Yield, and Air Content of Concrete	12/01/1990
C143	Slump of Hydraulic Cement Concrete	12/01/1990
C172	Sampling Freshly Mixed Concrete	12/01/1990
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	12/01/1990
C192	Making and Curing Concrete Test Specimens in the Laboratory	12/01/1990
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	12/01/1990
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	04/06/2023
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	01/10/2013
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	02/14/2023
C1064	Temperature of Freshly Mixed Portland Cement Concrete	12/01/1990
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	01/10/2013
C1260	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	04/14/2015
C1293	Determination of Length Change of Concrete Due to Alkali-Silica Reaction	04/14/2015
C1567	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	04/14/2015

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Pozzolan

Standard:		Accredited Since:
C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	04/14/2015
C187	Normal Consistency of Hydraulic Cement	04/14/2015
C188	Density of Hydraulic Cement	04/14/2015
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	04/14/2015
C311 (Loss on Ignition)	Sampling and Testing Fly Ash or Natural Pozzolans for Use in Portland-Cement Concrete (Loss on Ignition)	04/14/2015
C430	Fineness of Hydraulic Cement by the 45-µm (No. 325) Sieve	04/14/2015
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	04/14/2015
C1437	Flow of Hydraulic Cement Mortar	04/14/2015