



CERTIFICATE OF ACCREDITATION



Palmerton & Parrish, Inc.

in

Springfield, Missouri, 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).

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 12/08/2021 at 7:00 AM 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	05/01/1995
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	11/03/2021
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	06/24/2016
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	08/02/2016
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/24/2016
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	03/25/2015
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	08/02/2016



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Asphalt Mixture

Standard:

Accredited Since:

R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	05/01/1995
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	05/01/1995
T30	Mechanical Analysis of Extracted Aggregate	05/01/1995
T164	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	05/01/1995
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	05/01/1995
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	05/01/1995
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	05/01/1995
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	05/01/1995
T283	Resistance of Compacted Mixtures to Moisture Induced Damage	05/01/1995
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	05/01/1995
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	05/01/1995
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	05/01/1995
D2172	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	05/01/1995
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	05/01/1995
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	05/01/1995
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	09/08/2021
D4867	Resistance of Compacted Mixtures to Moisture Induced Damage	05/01/1995
D5444	Mechanical Analysis of Extracted Aggregate	05/01/1995
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	05/01/1995
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	05/01/1995
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	11/03/2021
D6927	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	05/01/1995



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	03/11/2015
T88	Particle Size Analysis of Soils by Hydrometer	04/17/2015
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	04/17/2015
T90	Plastic Limit of Soils (Atterberg Limits)	04/17/2015
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	04/17/2015
T100	Specific Gravity of Soils	04/17/2015
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	04/17/2015
T191	Density of Soil In-Place by the Sand Cone Method	04/17/2015
T193	The California Bearing Ratio	04/17/2015
T208	Unconfined Compressive Strength of Cohesive Soil	04/17/2015
T265	Laboratory Determination of Moisture Content of Soils	03/11/2015
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	04/17/2015
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/15/1996
D422	Particle Size Analysis of Soils by Hydrometer	01/15/1996
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/15/1996
D854	Specific Gravity of Soils	01/15/1996
D1140	Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	01/15/1996
D1556	Density of Soil In-Place by the Sand Cone Method	01/15/1996
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/15/1996
D1883	The California Bearing Ratio	01/15/1996
D2166	Unconfined Compressive Strength of Cohesive Soil	01/15/1996
D2216	Laboratory Determination of Moisture Content of Soils	01/15/1996
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	01/15/1996



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Soil (Continued)

Standard:

Accredited Since:

D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	01/15/1996
D4318 Plastic Limit of Soils (Atterberg Limits)	01/15/1996
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/15/1996
D7928 Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	11/03/2021



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Aggregate

Standard:

Accredited Since:

R76	Reducing Samples of Aggregate to Testing Size	05/01/1995
R90	Sampling Aggregate	04/08/2019
T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	05/01/1995
T19	Bulk Density ("Unit Weight") and Voids in Aggregate	05/01/1995
T21	Organic Impurities in Fine Aggregates for Concrete	05/01/1995
T27	Sieve Analysis of Fine and Coarse Aggregates	05/01/1995
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	05/01/1995
T85	Specific Gravity and Absorption of Coarse Aggregate	05/01/1995
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	05/01/1995
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	04/17/2015
T112	Clay Lumps and Friable Particles in Aggregate	05/01/1995
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	05/01/1995
T255	Total Moisture Content of Aggregate by Drying	05/01/1995
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	05/01/1995
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	03/11/2015
C29	Bulk Density ("Unit Weight") and Voids in Aggregate	05/01/1995
C40	Organic Impurities in Fine Aggregates for Concrete	05/01/1995
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	05/01/1995
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	05/01/1995
C127	Specific Gravity and Absorption of Coarse Aggregate	05/01/1995
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	05/01/1995
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	05/01/1995
C136	Sieve Analysis of Fine and Coarse Aggregates	05/01/1995



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Aggregate (Continued)

Standard:	Accredited Since:
C142 Clay Lumps and Friable Particles in Aggregate	05/01/1995
C566 Total Moisture Content of Aggregate by Drying	05/01/1995
C702 Reducing Samples of Aggregate to Testing Size	05/01/1995
C1252 Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	05/01/1995
D75 Sampling Aggregate	04/08/2019
D2419 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	05/01/1995
D4791 Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	05/01/1995
D5821 Determining the Percentage of Fractured Particles in Coarse Aggregate	05/01/1995



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Sprayed Fire-Resistive Material

Standard:

Accredited Since:

E605 Thickness and Density of Sprayed Fire-Resistive Material(SFRM) Applied to Structural Members

03/11/2015

E736 Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members

03/11/2015



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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	05/15/2020
R39	Making and Curing Concrete Test Specimens in the Laboratory	05/15/2020
R60	Sampling Freshly Mixed Concrete	05/15/2020
T22	Compressive Strength of Cylindrical Concrete Specimens	05/15/2020
T23	Making and Curing Concrete Test Specimens in the Field	05/15/2020
T24	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	05/15/2020
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	05/15/2020
T119	Slump of Hydraulic Cement Concrete	05/15/2020
T121	Density (Unit Weight), Yield, and Air Content of Concrete	05/15/2020
T148	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	05/15/2020
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	05/15/2020
T160	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	05/15/2020
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	05/15/2020
T197	Time of Setting of Concrete Mixtures by Penetration Resistance	05/15/2020
T231 (6000 psi and below)	Capping Cylindrical Concrete Specimens	05/15/2020
T309	Temperature of Freshly Mixed Portland Cement Concrete	05/15/2020
C31	Making and Curing Concrete Test Specimens in the Field	05/01/1995
C39	Compressive Strength of Cylindrical Concrete Specimens	05/01/1995
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	05/01/1995
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	05/01/1995
C138	Density (Unit Weight), Yield, and Air Content of Concrete	05/01/1995
C143	Slump of Hydraulic Cement Concrete	05/01/1995
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	05/01/1995



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Concrete (Continued)

Standard:		Accredited Since:
C172	Sampling Freshly Mixed Concrete	05/01/1995
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	05/01/1995
C174	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	03/26/2018
C192	Making and Curing Concrete Test Specimens in the Laboratory	05/01/1995
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	03/25/2015
C403	Time of Setting of Concrete Mixtures by Penetration Resistance	05/01/1995
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	03/25/2013
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	05/15/2020
C1064	Temperature of Freshly Mixed Portland Cement Concrete	05/01/1995
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	03/25/2013



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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	03/25/2015
C780 (Annex 1)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration	05/15/2020
C780 (Annex 6)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength	03/25/2015