



CERTIFICATE OF ACCREDITATION



AAR Testing Laboratories, Inc.

in

Lacey, Washington, 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 01/03/2024 at 7:30 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:

AAR Testing Laboratories, Inc.
in Lacey, Washington, USA

Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	06/13/2023
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	06/13/2023
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	06/22/2023
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	06/13/2023
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	06/13/2023
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	06/13/2023
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/13/2023
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/13/2023
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/22/2023
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/13/2023
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/13/2023
E329 (Steel Inspection)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/13/2023



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Asphalt Mixture

Standard:

Accredited Since:

R30	Mixture Conditioning of Hot Mix Asphalt (HMA)	06/13/2023
R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	06/13/2023
R97	Sampling Bituminous Paving Mixtures	06/13/2023
T30	Mechanical Analysis of Extracted Aggregate	06/13/2023
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	06/13/2023
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	06/13/2023
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	06/13/2023
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	06/13/2023
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	06/13/2023
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	06/13/2023
T355	Density of Bituminous Concrete In Place by Nuclear Methods	06/13/2023
D979	Sampling Bituminous Paving Mixtures	06/13/2023
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	06/13/2023
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	06/13/2023
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	06/13/2023
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	06/13/2023
D5444	Mechanical Analysis of Extracted Aggregate	06/13/2023
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	06/13/2023
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	06/13/2023



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/13/2023
R74	Wet Preparation of Disturbed Soil Samples for Test	06/13/2023
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	06/13/2023
T90	Plastic Limit of Soils (Atterberg Limits)	06/13/2023
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	06/13/2023
T100	Specific Gravity of Soils	06/13/2023
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/13/2023
T265	Laboratory Determination of Moisture Content of Soils	06/13/2023
T267	Determination of Organic Content in Soils by Loss on Ignition	06/13/2023
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	06/13/2023
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/13/2023
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	06/13/2023
D854	Specific Gravity of Soils	06/13/2023
D1140	Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	06/13/2023
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/13/2023
D2216	Laboratory Determination of Moisture Content of Soils	06/13/2023
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	06/13/2023
D2488	Description and Identification of Soils (Visual-Manual Procedure)	06/13/2023
D2974	Determination of Organic Content in Soils by Loss on Ignition	06/13/2023
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	06/13/2023
D4318	Plastic Limit of Soils (Atterberg Limits)	06/13/2023
D4718	Oversize Particle Correction	06/13/2023
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	06/13/2023



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Aggregate

Standard:

Accredited Since:

R76	Reducing Samples of Aggregate to Testing Size	06/13/2023
R90	Sampling Aggregate	06/13/2023
T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	06/13/2023
T19	Bulk Density ("Unit Weight") and Voids in Aggregate	06/13/2023
T21	Organic Impurities in Fine Aggregates for Concrete	06/13/2023
T27	Sieve Analysis of Fine and Coarse Aggregates	06/13/2023
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	06/13/2023
T85	Specific Gravity and Absorption of Coarse Aggregate	06/13/2023
T112	Clay Lumps and Friable Particles in Aggregate	06/13/2023
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	06/13/2023
T255	Total Moisture Content of Aggregate by Drying	06/13/2023
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	06/13/2023
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	06/13/2023
C29	Bulk Density ("Unit Weight") and Voids in Aggregate	06/13/2023
C40	Organic Impurities in Fine Aggregates for Concrete	06/13/2023
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	06/13/2023
C127	Specific Gravity and Absorption of Coarse Aggregate	06/13/2023
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	06/13/2023
C136	Sieve Analysis of Fine and Coarse Aggregates	06/13/2023
C142	Clay Lumps and Friable Particles in Aggregate	06/13/2023
C566	Total Moisture Content of Aggregate by Drying	06/13/2023
C702	Reducing Samples of Aggregate to Testing Size	06/13/2023
C1252	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	06/13/2023



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in Lacey, Washington, USA

Aggregate (Continued)

Standard:

Accredited Since:

D75 Sampling Aggregate	06/13/2023
D2419 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	06/13/2023
D4791 Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	06/13/2023
D5821 Determining the Percentage of Fractured Particles in Coarse Aggregate	06/13/2023



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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

06/13/2023

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

06/13/2023



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Iron and Steel

Standard:

F3125 Externally Threaded Fasteners (Bolts): Rotational Capacity

Accredited Since:

06/13/2023



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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	06/22/2023
R60	Sampling Freshly Mixed Concrete	06/22/2023
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	06/22/2023
T22	Compressive Strength of Cylindrical Concrete Specimens	06/22/2023
T119	Slump of Hydraulic Cement Concrete	06/22/2023
T121	Density (Unit Weight), Yield, and Air Content of Concrete	06/22/2023
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	06/22/2023
T309	Temperature of Freshly Mixed Portland Cement Concrete	06/22/2023
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	06/22/2023
C39	Compressive Strength of Cylindrical Concrete Specimens	06/22/2023
C138	Density (Unit Weight), Yield, and Air Content of Concrete	06/22/2023
C143	Slump of Hydraulic Cement Concrete	06/22/2023
C172	Sampling Freshly Mixed Concrete	06/22/2023
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	06/22/2023
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	06/22/2023
C1064	Temperature of Freshly Mixed Portland Cement Concrete	06/22/2023
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	06/22/2023