



CERTIFICATE OF ACCREDITATION



Trimat Materials Testing, Inc.

in

Durham, North Carolina, 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', is written over a horizontal line.

Jim Tymon,
AASHTO Executive Director

A handwritten signature in black ink, appearing to read 'Matt Linneman', is written over a horizontal line.

Matt Linneman,
AASHTO COMP Chair

This certificate was generated on 03/21/2025 at 7:34 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:

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Quality Management System

Standard:

Accredited Since:

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|-------------------------|--|------------|
| R18 | Establishing and Implementing a Quality System for Construction Materials Testing Laboratories | 01/08/2009 |
| C1077 (Aggregate) | Laboratories Testing Concrete and Concrete Aggregates | 04/12/2017 |
| C1077 (Concrete) | Laboratories Testing Concrete and Concrete Aggregates | 04/17/2020 |
| D3666 (Aggregate) | Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials | 01/10/2011 |
| D3666 (Asphalt Mixture) | Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials | 01/10/2011 |
| D3740 (Soil) | Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction | 06/28/2013 |
| E329 (Aggregate) | Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction | 05/05/2011 |
| E329 (Asphalt Mixture) | Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction | 05/05/2011 |
| E329 (Soil) | Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction | 06/28/2013 |



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Asphalt Mixture

Standard:

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| R68 | Preparation of Asphalt Mixtures by Means of the Marshall Apparatus | 01/08/2009 |
| T30 | Mechanical Analysis of Extracted Aggregate | 01/08/2009 |
| T166 | Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens | 01/08/2009 |
| T209 | Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures | 01/08/2009 |
| T269 | Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures | 01/08/2009 |
| T283 | Resistance of Compacted Mixtures to Moisture Induced Damage | 01/08/2009 |
| T308 | Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method | 01/08/2009 |
| T312 | Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor | 01/08/2009 |
| T340 | Determining Rutting Susceptibility of Hot Mix Asphalt (HMA) Using the Asphalt Pavement Analyzer (APA) | 07/22/2024 |
| D2041 | Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures | 07/22/2024 |
| D2172 | Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA) | 07/22/2024 |
| D2726 | Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens | 07/22/2024 |
| D3203 | Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures | 07/22/2024 |
| D3549 | Thickness or Height of Compacted Bituminous Paving Mixture Specimens | 09/07/2022 |
| D4867 | Resistance of Compacted Mixtures to Moisture Induced Damage | 07/22/2024 |
| D5444 | Mechanical Analysis of Extracted Aggregate | 07/22/2024 |
| D6307 | Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method | 07/22/2024 |
| D6925 | Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor | 07/22/2024 |
| D6926 | Preparation of Asphalt Mixtures by Means of the Marshall Apparatus | 07/22/2024 |
| D6927 | Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus | 07/22/2024 |
| D8225 | Determination of Cracking Tolerance Index of Asphalt Mixture Using the Indirect Tensile Cracking Test at Intermediate Temperature | 07/22/2024 |



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Soil

Standard:

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| R58 | Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test | 04/14/2011 |
| T88 | Particle Size Analysis of Soils by Hydrometer | 04/14/2011 |
| T89 | Determining the Liquid Limit of Soils (Atterberg Limits) | 04/14/2011 |
| T90 | Plastic Limit of Soils (Atterberg Limits) | 04/14/2011 |
| T99 | The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop | 04/14/2011 |
| T100 | Specific Gravity of Soils | 09/07/2022 |
| T180 | Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop | 04/14/2011 |
| T265 | Laboratory Determination of Moisture Content of Soils | 04/14/2011 |
| D421 | Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test | 05/06/2015 |
| D422 | Particle Size Analysis of Soils by Hydrometer | 05/06/2015 |
| D558 | Moisture-Density Relations of Soil-Cement Mixtures | 07/22/2024 |
| D559 | Wetting-and-Drying Test of Compacted Soil-Cement Mixtures | 07/22/2024 |
| D698 | The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop | 05/06/2015 |
| D1557 | Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop | 05/06/2015 |
| D1633 | Compressive Strength of Molded Soil-Cement Cylinders | 07/22/2024 |
| D2216 | Laboratory Determination of Moisture Content of Soils | 05/06/2015 |
| D2487 | Classification of Soils for Engineering Purposes (Unified Soil Classification System) | 07/22/2024 |
| D4318 | Determining the Liquid Limit of Soils (Atterberg Limits) | 05/06/2015 |
| D4318 | Plastic Limit of Soils (Atterberg Limits) | 05/06/2015 |



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Aggregate

Standard:

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| R76 | Reducing Samples of Aggregate to Testing Size | 06/28/2013 |
| T11 | Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing | 01/08/2009 |
| T27 | Sieve Analysis of Fine and Coarse Aggregates | 01/08/2009 |
| T84 | Specific Gravity (Relative Density) and Absorption of Fine Aggregate | 01/08/2009 |
| T85 | Specific Gravity and Absorption of Coarse Aggregate | 01/08/2009 |
| T304 | Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading) | 01/08/2009 |
| C88 | Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate | 09/07/2022 |
| C117 | Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing | 05/06/2015 |
| C127 | Specific Gravity and Absorption of Coarse Aggregate | 05/06/2015 |
| C128 | Specific Gravity (Relative Density) and Absorption of Fine Aggregate | 05/06/2015 |
| C131 | Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine | 07/22/2024 |
| C136 | Sieve Analysis of Fine and Coarse Aggregates | 05/06/2015 |
| C142 | Clay Lumps and Friable Particles in Aggregate | 07/22/2024 |
| C702 | Reducing Samples of Aggregate to Testing Size | 07/22/2024 |
| D2419 | Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test | 07/22/2024 |
| D4791 | Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate | 04/14/2011 |
| D5821 | Determining the Percentage of Fractured Particles in Coarse Aggregate | 07/22/2024 |



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Concrete

Standard:

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| M201 | Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes | 04/17/2020 |
| R60 | Sampling Freshly Mixed Concrete | 04/17/2020 |
| R100 (Beams) | Making and Curing Concrete Test Specimens in the Field | 04/17/2020 |
| R100 (Cylinders) | Making and Curing Concrete Test Specimens in the Field | 04/17/2020 |
| T22 | Compressive Strength of Cylindrical Concrete Specimens | 04/17/2020 |
| T97 | Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading) | 04/17/2020 |
| T119 | Slump of Hydraulic Cement Concrete | 04/17/2020 |
| T121 | Density (Unit Weight), Yield, and Air Content of Concrete | 04/17/2020 |
| T152 | Air Content of Freshly Mixed Concrete by the Pressure Method | 04/17/2020 |
| T196 | Air Content of Freshly Mixed Concrete by the Volumetric Method | 08/04/2022 |
| T309 | Temperature of Freshly Mixed Portland Cement Concrete | 04/17/2020 |
| C31 (Beams) | Making and Curing Concrete Test Specimens in the Field | 04/17/2020 |
| C31 (Cylinders) | Making and Curing Concrete Test Specimens in the Field | 04/17/2020 |
| C39 | Compressive Strength of Cylindrical Concrete Specimens | 04/17/2020 |
| C78 | Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading) | 04/17/2020 |
| C138 | Density (Unit Weight), Yield, and Air Content of Concrete | 04/17/2020 |
| C143 | Slump of Hydraulic Cement Concrete | 04/17/2020 |
| C172 | Sampling Freshly Mixed Concrete | 04/17/2020 |
| C173 | Air Content of Freshly Mixed Concrete by the Volumetric Method | 08/04/2022 |
| C231 | Air Content of Freshly Mixed Concrete by the Pressure Method | 04/17/2020 |
| C511 | Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes | 04/17/2020 |
| C1064 | Temperature of Freshly Mixed Portland Cement Concrete | 04/17/2020 |
| C1231 (7000 psi and below) | Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders | 04/17/2020 |