



CERTIFICATE OF ACCREDITATION



Materials Testing Consultants, Inc.

in

Grand Rapids, Michigan, 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



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	01/31/2003
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	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	01/10/2011
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/14/2014
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	08/13/2012
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011



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Asphalt Mixture

Standard:**Accredited Since:**

R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	09/27/2011
T30	Mechanical Analysis of Extracted Aggregate	09/27/2011
T164 (Mineral Matter Not Determined)	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA) - Plant Control	07/16/2024
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	09/27/2011
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	09/27/2011
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	09/27/2011
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	09/27/2011
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	09/11/2013
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	09/27/2011
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	10/11/2006
D2172 (Mineral Matter Not Determined)	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA) - Plant Control	07/16/2024
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	10/11/2006
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	10/11/2006
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	05/07/2021
D5444	Mechanical Analysis of Extracted Aggregate	10/11/2006
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	09/11/2013
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	10/11/2006
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	10/11/2006
D6927	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	10/11/2006



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	07/10/2018
T88	Particle Size Analysis of Soils by Hydrometer	09/27/2011
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	09/27/2011
T90	Plastic Limit of Soils (Atterberg Limits)	09/27/2011
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	09/27/2011
T100	Specific Gravity of Soils	09/27/2011
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	09/27/2011
T215	Permeability of Granular Soils (Constant Head)	09/27/2011
T265	Laboratory Determination of Moisture Content of Soils	05/07/2021
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	07/10/2018
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	07/10/2018
D422	Particle Size Analysis of Soils by Hydrometer	10/11/2006
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	10/11/2006
D854	Specific Gravity of Soils	09/27/2011
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	10/11/2006
D2216	Laboratory Determination of Moisture Content of Soils	05/07/2021
D2434	Permeability of Granular Soils (Constant Head)	10/11/2006
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	10/11/2006
D4318	Plastic Limit of Soils (Atterberg Limits)	10/11/2006
D5084	Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	10/11/2006
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	07/10/2018



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Aggregate

Standard:**Accredited Since:**

C40 Organic Impurities in Fine Aggregates for Concrete	01/31/2003
C117 Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	01/31/2003
C127 Specific Gravity and Absorption of Coarse Aggregate	01/31/2003
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/31/2003
C136 Sieve Analysis of Fine and Coarse Aggregates	01/31/2003
C566 Total Moisture Content of Aggregate by Drying	01/31/2003
C702 Reducing Samples of Aggregate to Testing Size	01/31/2003



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Concrete

Standard:**Accredited Since:**

C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	05/05/2017
C39	Compressive Strength of Cylindrical Concrete Specimens	01/31/2003
C138	Density (Unit Weight), Yield, and Air Content of Concrete	01/31/2003
C143	Slump of Hydraulic Cement Concrete	01/31/2003
C172	Sampling Freshly Mixed Concrete	01/31/2003
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	01/31/2003
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	01/31/2003
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	08/13/2012
C1064	Temperature of Freshly Mixed Portland Cement Concrete	01/31/2003
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	08/13/2012