Certificate of Accreditation

SOMAT Engineering, Inc.

in

Romulus, 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

This certificate was generated on 08/11/2026 at 6:05 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

Scope of AASHTO Accreditation for:

SOMAT Engineering, Inc.

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Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	03/11/2004
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	08/09/2013
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	08/09/2013
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	08/20/2013
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	08/01/2012

Scope of AASHTO Accreditation for:

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Asphalt Mixture

Standard:		Accredited Since:
R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	03/11/2004
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	03/11/2004
T30	Mechanical Analysis of Extracted Aggregate	03/11/2004
T164 (Mineral Matter Not Determined)	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA) - Plant Control	03/25/2016
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/11/2004
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	03/11/2004
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	03/11/2004
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	08/20/2013
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	03/11/2004
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	03/11/2004
D2172 (Mineral Matter Not Determined)	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA) - Plant Control	03/25/2016
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/11/2004
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	08/20/2013
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	03/11/2004
D5444	Mechanical Analysis of Extracted Aggregate	03/11/2004
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	03/25/2016
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	03/11/2004
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	03/11/2004

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	08/20/2013
T88	Particle Size Analysis of Soils by Hydrometer	11/12/2004
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	11/12/2004
T90	Plastic Limit of Soils (Atterberg Limits)	11/12/2004
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	05/30/2024
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	05/30/2024
T193	The California Bearing Ratio	11/12/2004
T208	Unconfined Compressive Strength of Cohesive Soil	11/12/2004
T265	Laboratory Determination of Moisture Content of Soils	11/12/2004
T267	Determination of Organic Content in Soils by Loss on Ignition	08/20/2013
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	11/12/2004
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	08/20/2013
D422	Particle Size Analysis of Soils by Hydrometer	11/12/2004
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	05/30/2024
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	11/12/2004
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	05/30/2024
D1883	The California Bearing Ratio	11/12/2004
D2166	Unconfined Compressive Strength of Cohesive Soil	11/12/2004
D2216	Laboratory Determination of Moisture Content of Soils	11/12/2004
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	11/12/2004
D2488	Description and Identification of Soils (Visual-Manual Procedure)	11/12/2004
D2974	Determination of Organic Content in Soils by Loss on Ignition	08/20/2013
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	11/12/2004

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Soil (Continued)

Standard:	Accredited Since:
D4318 Plastic Limit of Soils (Atterberg Limits)	11/12/2004
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	08/20/2013
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	11/12/2004
D6951 Dynamic Cone Penetrometer In Shallow Pavement Applications	08/13/2024

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	08/29/2013
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	08/29/2013
T19	Bulk Density (“Unit Weight”) and Voids in Aggregate	05/11/2004
T21	Organic Impurities in Fine Aggregates for Concrete	08/29/2013
T27	Sieve Analysis of Fine and Coarse Aggregates	08/29/2013
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	08/29/2013
T85	Specific Gravity and Absorption of Coarse Aggregate	08/29/2013
T255	Total Moisture Content of Aggregate by Drying	08/29/2013
C29	Bulk Density (“Unit Weight”) and Voids in Aggregate	05/11/2004
C40	Organic Impurities in Fine Aggregates for Concrete	08/09/2013
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	08/09/2013
C127	Specific Gravity and Absorption of Coarse Aggregate	08/09/2013
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	08/09/2013
C136	Sieve Analysis of Fine and Coarse Aggregates	08/09/2013
C566	Total Moisture Content of Aggregate by Drying	08/09/2013
C702	Reducing Samples of Aggregate to Testing Size	08/09/2013

Scope of AASHTO Accreditation for:

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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	08/29/2013
R60	Sampling Freshly Mixed Concrete	08/29/2013
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	08/29/2013
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	08/29/2013
T22	Compressive Strength of Cylindrical Concrete Specimens	08/29/2013
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	08/29/2013
T119	Slump of Hydraulic Cement Concrete	08/29/2013
T121	Density (Unit Weight), Yield, and Air Content of Concrete	08/29/2013
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	08/29/2013
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	08/29/2013
T309	Temperature of Freshly Mixed Portland Cement Concrete	08/29/2013
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	08/09/2013
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	08/09/2013
C39	Compressive Strength of Cylindrical Concrete Specimens	08/09/2013
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	08/09/2013
C138	Density (Unit Weight), Yield, and Air Content of Concrete	08/09/2013
C143	Slump of Hydraulic Cement Concrete	08/09/2013
C172	Sampling Freshly Mixed Concrete	08/09/2013
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	08/09/2013
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	08/09/2013
C495	Compressive Strength of Lightweight Insulating Concrete	03/11/2026
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	08/29/2013
C1064	Temperature of Freshly Mixed Portland Cement Concrete	08/09/2013

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Concrete (Continued)

Standard:	Accredited Since:
C1231 (7000 psi and below) Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	08/29/2013