



CERTIFICATE OF ACCREDITATION



Stahl Sheaffer Engineering, LLC

in

Canonsburg, Pennsylvania, 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 04/13/2024 at 8:22 AM 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:

Stahl Sheaffer Engineering, LLC

in Canonsburg, Pennsylvania, USA

Quality Management System

Standard:

R18 Establishing and Implementing a Quality System for Construction Materials Testing Laboratories

Accredited Since:

06/29/2016



SCOPE OF AASHTO ACCREDITATION FOR:

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Asphalt Mixture

Standard:

Accredited Since:

R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	06/29/2016
T30	Mechanical Analysis of Extracted Aggregate	06/29/2016
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	06/29/2016
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	06/29/2016
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	06/29/2016
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	06/29/2016
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	06/29/2016
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	09/07/2017
T355	Density of Bituminous Concrete In Place by Nuclear Methods	02/27/2020
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	06/29/2016
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	06/29/2016
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	02/27/2020
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	06/29/2016
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	09/19/2022
D5444	Mechanical Analysis of Extracted Aggregate	06/29/2016
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	06/29/2016
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	06/29/2016
D6927	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	06/29/2016



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	09/07/2017
T88	Particle Size Analysis of Soils by Hydrometer	09/19/2017
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	06/29/2016
T90	Plastic Limit of Soils (Atterberg Limits)	06/29/2016
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	06/29/2016
T100	Specific Gravity of Soils	09/19/2017
T134	Moisture-Density Relations of Soil-Cement Mixtures	06/29/2016
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/29/2016
T193	The California Bearing Ratio	06/29/2016
T208	Unconfined Compressive Strength of Cohesive Soil	09/07/2017
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	09/19/2022
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	02/27/2020
T265	Laboratory Determination of Moisture Content of Soils	06/29/2016
T267	Determination of Organic Content in Soils by Loss on Ignition	09/07/2017
T288	Minimum Soil Resistivity	02/27/2020
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	02/27/2020
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	02/27/2020
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	09/07/2017
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	09/07/2017
D422	Particle Size Analysis of Soils by Hydrometer	09/19/2017
D558	Moisture-Density Relations of Soil-Cement Mixtures	06/29/2016
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	06/29/2016
D854	Specific Gravity of Soils	09/19/2017



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Soil (Continued)

Standard:	Accredited Since:
D1140 Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	06/29/2016
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/29/2016
D1883 The California Bearing Ratio	06/29/2016
D2166 Unconfined Compressive Strength of Cohesive Soil	09/07/2017
D2216 Laboratory Determination of Moisture Content of Soils	06/29/2016
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	09/19/2022
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	06/29/2016
D2488 Description and Identification of Soils (Visual-Manual Procedure)	06/29/2016
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	02/27/2020
D2974 Determination of Organic Content in Soils by Loss on Ignition	09/07/2017
D3080 Direct Shear Test of Soils Under Consolidated Drained Conditions	09/19/2022
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	06/29/2016
D4318 Plastic Limit of Soils (Atterberg Limits)	06/29/2016
D4767 Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	02/27/2020
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	09/07/2017
D6951 Dynamic Cone Penetrometer In Shallow Pavement Applications	02/27/2020
G57 Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	09/19/2022



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Rock

Standard:

Accredited Since:

D4644	Slake Durability of Shales and Weak Rocks	09/19/2022
D5731	Point Load Strength Index of Rock	09/19/2022
D7012 (Method C without D4543 sample preparation)	Compressive Strength of Rock Core Specimens (Method C without D4543 preparation)	02/27/2020



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Aggregate

Standard:

Accredited Since:

T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	06/29/2016
T27	Sieve Analysis of Fine and Coarse Aggregates	06/29/2016
T255	Total Moisture Content of Aggregate by Drying	09/07/2017
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	06/29/2016
C136	Sieve Analysis of Fine and Coarse Aggregates	06/29/2016
C566	Total Moisture Content of Aggregate by Drying	09/07/2017