AASHTO ACCREDITED

Certificate of Accreditation

American Association of State Highway and Transportation Officials

AASHTO

Thiele Geotech, Inc.

in

Omaha, Nebraska, 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

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Scope of AASHTO Accreditation for:

Thiele Geotech, Inc.

in Omaha, Nebraska, USA

Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	11/15/1993
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
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	01/10/2011
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
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	06/09/2015
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/30/2014

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Asphalt Mixture

Standard:		Accredited Since:
R30	Mixture Conditioning of Hot Mix Asphalt (HMA)	10/15/2021
R35	Superpave Volumetric Design for Hot Mix Asphalt (HMA)	04/03/2019
R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	11/15/1993
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	11/15/1993
R97	Sampling Bituminous Paving Mixtures	10/15/2021
T30	Mechanical Analysis of Extracted Aggregate	11/15/1993
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	11/15/1993
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	11/15/1993
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	11/15/1993
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	11/15/1993
T275	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	11/15/1993
T283	Resistance of Compacted Mixtures to Moisture Induced Damage	11/15/1993
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	11/15/1993
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	11/15/1993
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	04/30/2014
T355	Density of Bituminous Concrete In Place by Nuclear Methods	10/15/2021
D979	Sampling Bituminous Paving Mixtures	04/03/2019
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	11/15/1993
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	11/15/1993
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	11/15/1993
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	11/15/1993
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	10/15/2021
D3665	Random Sampling of Construction Materials	10/15/2021

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Asphalt Mixture (Continued)

Standard:	Accredited Since:
D4867 Resistance of Compacted Mixtures to Moisture Induced Damage	11/15/1993
D5444 Mechanical Analysis of Extracted Aggregate	11/15/1993
D6307 Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	11/15/1993
D6925 Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	11/15/1993
D6926 Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	11/15/1993
D6927 Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	11/15/1993

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	11/15/1993
R74	Wet Preparation of Disturbed Soil Samples for Test	10/15/2021
T88	Particle Size Analysis of Soils by Hydrometer	11/15/1993
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	11/15/1993
T90	Plastic Limit of Soils (Atterberg Limits)	11/15/1993
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	11/15/1993
T100	Specific Gravity of Soils	11/15/1993
T134	Moisture-Density Relations of Soil-Cement Mixtures	10/15/2021
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	11/15/1993
T191	Density of Soil In-Place by the Sand Cone Method	10/15/2021
T193	The California Bearing Ratio	11/15/1993
T208	Unconfined Compressive Strength of Cohesive Soil	11/15/1993
T215	Permeability of Granular Soils (Constant Head)	05/14/2012
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	05/14/2012
T217	Determination of Moisture in Soils by Means of a Calcium Carbide Gas Pressure Moisture Tester	10/15/2021
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	05/14/2012
T265	Laboratory Determination of Moisture Content of Soils	11/15/1993
T288	Minimum Soil Resistivity	01/27/2025
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	05/14/2012
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	11/15/1993
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	11/15/1993
D422	Particle Size Analysis of Soils by Hydrometer	11/15/1993
D558	Moisture-Density Relations of Soil-Cement Mixtures	10/15/2021

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Soil (Continued)

Standard:	Accredited Since:
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	11/15/1993
D1140 Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	11/15/1993
D1556 Density of Soil In-Place by the Sand Cone Method	10/15/2021
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	11/15/1993
D1883 The California Bearing Ratio	11/15/1993
D2166 Unconfined Compressive Strength of Cohesive Soil	11/15/1993
D2216 Laboratory Determination of Moisture Content of Soils	11/15/1993
D2434 Permeability of Granular Soils (Constant Head)	11/15/1993
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	11/15/1993
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	11/15/1993
D2488 Description and Identification of Soils (Visual-Manual Procedure)	11/15/1993
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	11/15/1993
D2937 Density of Soil in Place by the Drive-Cylinder Method	10/15/2021
D3080 Direct Shear Test of Soils Under Consolidated Drained Conditions	05/14/2012
D4254 Minimum Index Density and Unit Weight of Soils and Calculation of Relative Density	10/15/2021
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	11/15/1993
D4318 Plastic Limit of Soils (Atterberg Limits)	11/15/1993
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	10/15/2021
D4718 Oversize Particle Correction	10/15/2021
D4944 Determination of Moisture in Soils by Means of a Calcium Carbide Gas Pressure Moisture Tester	10/15/2021
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	11/15/1993
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	11/15/1993
D6951 Dynamic Cone Penetrometer In Shallow Pavement Applications	01/27/2025

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Soil (Continued)

Standard:	Accredited Since:
G187 Soil Resistivity Using the Two-Electrode Soil Box	01/27/2025

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	11/15/1993
R90	Sampling Aggregate	04/30/2014
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	11/15/1993
T19	Bulk Density (“Unit Weight”) and Voids in Aggregate	11/15/1993
T21	Organic Impurities in Fine Aggregates for Concrete	11/15/1993
T27	Sieve Analysis of Fine and Coarse Aggregates	11/15/1993
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	11/15/1993
T85	Specific Gravity and Absorption of Coarse Aggregate	11/15/1993
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	11/15/1993
T100 (Mineral Filler)	Specific Gravity of Mineral Filler on Asphalt Mixture Designs	04/03/2019
T103	Soundness of Aggregates by Freezing and Thawing	10/15/2021
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	11/15/1993
T112	Clay Lumps and Friable Particles in Aggregate	11/15/1993
T113	Lightweight Pieces in Aggregate	11/15/1993
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	11/15/1993
T255	Total Moisture Content of Aggregate by Drying	11/15/1993
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	11/15/1993
T327	Resistance to Abrasion by Micro-Deval (Coarse Aggregate)	10/15/2021
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	04/30/2014
C29	Bulk Density (“Unit Weight”) and Voids in Aggregate	11/15/1993
C40	Organic Impurities in Fine Aggregates for Concrete	11/15/1993
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	11/15/1993
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	11/15/1993

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Aggregate (Continued)

Standard:		Accredited Since:
C123	Lightweight Pieces in Aggregate	11/15/1993
C127	Specific Gravity and Absorption of Coarse Aggregate	11/15/1993
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	11/15/1993
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	11/15/1993
C136	Sieve Analysis of Fine and Coarse Aggregates	11/15/1993
C142	Clay Lumps and Friable Particles in Aggregate	11/15/1993
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	11/15/1993
C566	Total Moisture Content of Aggregate by Drying	11/15/1993
C702	Reducing Samples of Aggregate to Testing Size	11/15/1993
C1252	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	11/15/1993
D75	Sampling Aggregate	04/30/2014
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	11/15/1993
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	11/15/1993
D5821	Determining the Percentage of Fractured Particles in Coarse Aggregate	11/15/1993
D6928	Resistance to Abrasion by Micro-Deval (Coarse Aggregate)	10/15/2021
CRD-C130	Estimating Scratch Test Hardness of Coarse Aggregate Particles	01/27/2025

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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	05/14/2012
E736 Cohesion/Adhesion of Sprayed Fire-Resistive MaterialsApplied to Structural Members	05/14/2012

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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	09/11/2012
R39	Making and Curing Concrete Test Specimens in the Laboratory	05/01/1995
R60	Sampling Freshly Mixed Concrete	05/01/1995
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	05/01/1995
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	05/01/1995
R115	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	09/11/2023
T22	Compressive Strength of Cylindrical Concrete Specimens	05/01/1995
T24	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	05/01/1995
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	05/01/1995
T119	Slump of Hydraulic Cement Concrete	05/01/1995
T121	Density (Unit Weight), Yield, and Air Content of Concrete	05/01/1995
T148	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	05/01/1995
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	05/01/1995
T160	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	09/11/2012
T161	Resistance of Concrete to Rapid Freezing and Thawing	03/20/2020
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	05/01/1995
T231 (7000 psi and below)	Capping Cylindrical Concrete Specimens	09/11/2023
T303	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	09/11/2012
T309	Temperature of Freshly Mixed Portland Cement Concrete	09/11/2012
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	05/01/1995
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	05/01/1995
C39	Compressive Strength of Cylindrical Concrete Specimens	05/01/1995
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	05/01/1995

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Concrete (Continued)

Standard:		Accredited Since:
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	05/01/1995
C138	Density (Unit Weight), Yield, and Air Content of Concrete	05/01/1995
C143	Slump of Hydraulic Cement Concrete	05/01/1995
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	05/01/1995
C172	Sampling Freshly Mixed Concrete	05/01/1995
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	05/01/1995
C174	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	05/01/1995
C192	Making and Curing Concrete Test Specimens in the Laboratory	05/01/1995
C215	Fundamental Transverse, Longitudinal and Torsional Frequencies of Concrete Specimens	06/25/2018
C227	Potential Alkali Reactivity of Cement-Aggregate Combinations (Mortar-Bar Method)	09/11/2023
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	05/01/1995
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	09/11/2023
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/11/2012
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	09/11/2023
C642	Density, Absorption, and Voids in Hardened Concrete	05/01/1995
C666	Resistance of Concrete to Rapid Freezing and Thawing	06/25/2018
C1064	Temperature of Freshly Mixed Portland Cement Concrete	05/01/1995
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	10/20/2017
C1260	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	11/15/1993
C1437	Flow of Hydraulic Cement Mortar	09/11/2023
C1567	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	11/15/1993