



CERTIFICATE OF ACCREDITATION



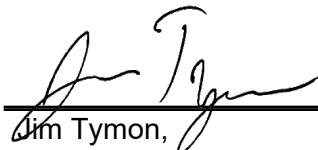
DLZ Ohio, Inc.

in

Columbus, Ohio, 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:

DLZ Ohio, Inc.

in Columbus, Ohio, USA

Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	01/01/1998
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	03/26/2013
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	03/26/2013
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	03/26/2013
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/14/2012
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	03/26/2013



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Asphalt Mixture

Standard:

Accredited Since:

R30	Mixture Conditioning of Hot Mix Asphalt (HMA)	07/27/2018
R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	07/27/2018
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	05/26/2011
R97	Sampling Bituminous Paving Mixtures	03/16/2021
T30	Mechanical Analysis of Extracted Aggregate	08/16/2006
T164	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	08/16/2006
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	08/16/2006
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	08/16/2006
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	08/16/2006
T287	Asphalt Content of Bituminous Mixtures by the Nuclear Method	08/16/2006
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	05/26/2011
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	07/27/2018
T343	Density of Bituminous Paving Mixtures in Place by the Electromagnetic Surface Contact Methods	03/16/2021
T355	Density of Bituminous Concrete In Place by Nuclear Methods	07/27/2018
D979	Sampling Bituminous Paving Mixtures	12/14/2015
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	08/16/2006
D2172	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	08/16/2006
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	08/16/2006
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	05/26/2011
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	08/16/2006
D4125	Asphalt Content of Bituminous Mixtures by the Nuclear Method	08/16/2006
D5444	Mechanical Analysis of Extracted Aggregate	08/16/2006
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	08/16/2006



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Asphalt Mixture (Continued)

Standard:

Accredited Since:

D6926 Preparation of Asphalt Mixtures by Means of the Marshall Apparatus

08/16/2006

D7113 Density of Bituminous Paving Mixtures in Place by the Electromagnetic Surface Contact Methods

03/16/2021



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/01/1998
T88	Particle Size Analysis of Soils by Hydrometer	01/01/1998
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	01/01/1998
T90	Plastic Limit of Soils (Atterberg Limits)	01/01/1998
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/01/1998
T100	Specific Gravity of Soils	01/01/1998
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/01/1998
T191	Density of Soil In-Place by the Sand Cone Method	05/26/2011
T193	The California Bearing Ratio	01/01/1998
T208	Unconfined Compressive Strength of Cohesive Soil	01/01/1998
T215	Permeability of Granular Soils (Constant Head)	05/26/2011
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	01/01/1998
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	01/01/1998
T265	Laboratory Determination of Moisture Content of Soils	01/01/1998
T267	Determination of Organic Content in Soils by Loss on Ignition	05/26/2011
T288	Minimum Soil Resistivity	07/27/2018
T289	pH of Soils for Corrosion Testing	07/27/2018
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	01/01/1998
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	01/01/1998
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/01/1998
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/01/1998
D422	Particle Size Analysis of Soils by Hydrometer	01/01/1998
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/01/1998



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Soil (Continued)

Standard:	Accredited Since:
D854 Specific Gravity of Soils	01/01/1998
D1140 Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	01/01/1998
D1556 Density of Soil In-Place by the Sand Cone Method	05/26/2011
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/01/1998
D1883 The California Bearing Ratio	01/01/1998
D2166 Unconfined Compressive Strength of Cohesive Soil	01/01/1998
D2216 Laboratory Determination of Moisture Content of Soils	01/01/1998
D2434 Permeability of Granular Soils (Constant Head)	05/26/2011
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	01/01/1998
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	01/01/1998
D2488 Description and Identification of Soils (Visual-Manual Procedure)	01/01/1998
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	01/01/1998
D2974 Determination of Organic Content in Soils by Loss on Ignition	05/26/2011
D3080 Direct Shear Test of Soils Under Consolidated Drained Conditions	10/24/2024
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	01/01/1998
D4318 Plastic Limit of Soils (Atterberg Limits)	01/01/1998
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	07/27/2018
D4718 Oversize Particle Correction	12/14/2015
D4767 Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	01/01/1998
D4972 pH Testing of Soils	06/27/2013
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	01/01/1998
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	07/27/2018
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/01/1998



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Soil (Continued)

Standard:

Accredited Since:

D7263 Density and Unit Weight of Soil	10/24/2024
D7928 Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	07/27/2018
G51 Measuring pH for Corrosion Testing	03/16/2021
G57 Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	07/27/2018
G187 Soil Resistivity Using the Two-Electrode Soil Box	07/27/2018



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Rock

Standard:

Accredited Since:

D3967	Splitting Tensile Strength of Intact Rock Core Specimens	12/14/2015
D4543	Preparing Rock Core as Cylindrical Test Specimens and Verifying Conformance to Dimensional and Shape Tolerances	07/27/2018
D4644	Slake Durability of Shales and Weak Rocks	05/26/2011
D5607	Direct Shear Strength Test of Rock Specimens Under Constant Normal Force	07/27/2018
D5731	Point Load Strength Index of Rock	05/26/2011
D7012 (Method C)	Compressive Strength of Rock Core Specimens (Method C)	05/26/2011
D7012 (Method D)	Compressive Strength of Rock Core Specimens (Method D)	10/24/2024



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Aggregate

Standard:

Accredited Since:

R76 Reducing Samples of Aggregate to Testing Size	01/01/1998
R90 Sampling Aggregate	06/27/2013
T11 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	01/01/1998
T19 Bulk Density ("Unit Weight") and Voids in Aggregate	01/01/1998
T27 Sieve Analysis of Fine and Coarse Aggregates	01/01/1998
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/01/1998
T85 Specific Gravity and Absorption of Coarse Aggregate	01/01/1998
T255 Total Moisture Content of Aggregate by Drying	01/01/1998
C29 Bulk Density ("Unit Weight") and Voids in Aggregate	01/01/1998
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	01/01/1998
C127 Specific Gravity and Absorption of Coarse Aggregate	01/01/1998
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/01/1998
C136 Sieve Analysis of Fine and Coarse Aggregates	01/01/1998
C566 Total Moisture Content of Aggregate by Drying	01/01/1998
C702 Reducing Samples of Aggregate to Testing Size	01/01/1998
D75 Sampling Aggregate	06/27/2013



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Concrete

Standard:

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C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	06/19/2007
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	06/19/2007
C39	Compressive Strength of Cylindrical Concrete Specimens	06/19/2007
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	06/19/2007
C138	Density (Unit Weight), Yield, and Air Content of Concrete	06/19/2007
C143	Slump of Hydraulic Cement Concrete	06/19/2007
C172	Sampling Freshly Mixed Concrete	06/19/2007
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	06/19/2007
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	06/19/2007
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	02/14/2012
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	02/14/2012
C1064	Temperature of Freshly Mixed Portland Cement Concrete	06/19/2007
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	02/14/2012



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Masonry

Standard:

Accredited Since:

C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/14/2016
C780 (Annex 1)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration	09/04/2019
C780 (Annex 6 - Cubes)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength of Cubes	09/29/2014
C1019	Sampling and Testing Grout	09/29/2014