



CERTIFICATE OF ACCREDITATION



Wiss, Janney, Elstner Associates, Inc.

in

Northbrook, Illinois, 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:

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Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	03/01/2002
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	05/19/2014
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	05/19/2014
C1222 (Cement)	Evaluation of Laboratories Testing Hydraulic Cement	01/10/2011
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/19/2014
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/19/2014



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Aggregate

Standard:

Accredited Since:

C29 Bulk Density ("Unit Weight") and Voids in Aggregate	04/04/2023
C40 Organic Impurities in Fine Aggregates for Concrete	03/01/2002
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	03/01/2002
C123 Lightweight Pieces in Aggregate	07/20/2017
C127 Specific Gravity and Absorption of Coarse Aggregate	03/01/2002
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	03/01/2002
C136 Sieve Analysis of Fine and Coarse Aggregates	03/01/2002
C142 Clay Lumps and Friable Particles in Aggregate	07/20/2017
C566 Total Moisture Content of Aggregate by Drying	03/01/2002
C702 Reducing Samples of Aggregate to Testing Size	03/01/2002



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Cementitious Material - Chemical Tests

Standard:

Accredited Since:

C114 Aluminum Oxide – X-Ray Fluorescence	12/30/2019
C114 Calcium Oxide – X-Ray Fluorescence	12/30/2019
C114 Carbon Dioxide – Other	04/04/2023
C114 Ferric Oxide – X-Ray Fluorescence	12/30/2019
C114 Insoluble Residue – Reference	12/30/2019
C114 Loss on Ignition – Reference	12/30/2019
C114 Magnesium Oxide – X-Ray Fluorescence	12/30/2019
C114 Manganic Oxide – X-Ray Fluorescence	04/04/2023
C114 Phosphorus Pentoxide – X-Ray Fluorescence	12/30/2019
C114 Potassium Oxide – X-Ray Fluorescence	12/30/2019
C114 Silicon Dioxide – X-Ray Fluorescence	12/30/2019
C114 Sodium Oxide – X-Ray Fluorescence	12/30/2019
C114 Sulfur Trioxide – LECO Furnace	12/30/2019
C114 Sulfur Trioxide – Reference	12/30/2019
C114 Sulfur Trioxide – X-Ray Fluorescence	12/30/2019
C114 Titanium Dioxide – X-Ray Fluorescence	12/30/2019
C114 Zinc Oxide – X-Ray Fluorescence	12/30/2019



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Cement - Physical Tests

Standard:

Accredited Since:

C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	06/13/2003
C114 (Loss on Ignition - Reference)	Loss on Ignition – Reference	07/20/2017
C151	Autoclave Expansion of Hydraulic Cement	06/13/2003
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	12/30/2019
C183	Sampling and the Amount of Testing of Hydraulic Cement	06/13/2003
C185	Air Content of Hydraulic Cement Mortar	06/13/2003
C187	Normal Consistency of Hydraulic Cement	06/13/2003
C188	Density of Hydraulic Cement	12/30/2019
C191	Time of Setting of Hydraulic Cement by Vicat Needle	06/13/2003
C204	Fineness of Hydraulic Cement by Air Permeability Apparatus	08/23/2012
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	06/13/2003
C430	Fineness of Hydraulic Cement by the 45-µm (No. 325) Sieve	06/13/2003
C451	Early Stiffening of Hydraulic Cement (Paste Method)	12/30/2019
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	04/14/2011
C1012	Length Change of Hydraulic-Cement Mortars Exposed to a Sulfate Solution	04/04/2023
C1038	Expansion of Hydraulic Cement Mortar Bars Stored in Water	12/30/2019
C1437	Flow of Hydraulic Cement Mortar	06/13/2003



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Concrete

Standard:

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T336	Coefficient of Thermal Expansion of Hydraulic Cement Concrete	04/04/2023
T358	Surface Resistivity Indication of Concrete's Ability to Resist Chloride Ion Penetration	12/30/2019
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	04/14/2011
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	04/14/2011
C39	Compressive Strength of Cylindrical Concrete Specimens	03/01/2002
C42 (Drilling Cores of Concrete)	Drilling Cores of Concrete	03/01/2002
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	03/01/2002
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	04/14/2011
C138	Density (Unit Weight), Yield, and Air Content of Concrete	03/01/2002
C143	Slump of Hydraulic Cement Concrete	03/01/2002
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	07/20/2017
C172	Sampling Freshly Mixed Concrete	03/01/2002
C192	Making and Curing Concrete Test Specimens in the Laboratory	07/20/2017
C215	Fundamental Transverse, Longitudinal and Torsional Frequencies of Concrete Specimens	07/20/2017
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	03/01/2002
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	04/04/2023
C457	Microscopical Determination of Parameters of the Air-Void System in Hardened Concrete	07/20/2017
C469	Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression	08/23/2012
C496	Splitting Tensile Strength of Cylindrical Concrete Specimens	06/08/2015
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	04/14/2011
C512	Creep of Concrete in Compression	04/14/2011
C617 (9000 psi and below)	Capping Cylindrical Concrete Specimens	04/04/2023
C666	Resistance of Concrete to Rapid Freezing and Thawing	03/01/2002



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Concrete (Continued)

Standard:		Accredited Since:
C672	Scaling Resistance of Concrete Surfaces Exposed to De-icing Chemicals	04/14/2011
C856	Petrographic Examination of Hardened Concrete	12/30/2019
C944	Abrasion Resistance of Concrete or Mortar Surfaces by the Rotating-Cutter Method	12/30/2019
C1064	Temperature of Freshly Mixed Portland Cement Concrete	03/01/2002
C1074	Estimating Concrete Strength by the Maturity Method	04/04/2023
C1084	Portland-Cement Content of Hardened Hydraulic-Cement Concrete	12/30/2019
C1152	Acid-Soluble Chloride in Mortar and Concrete	12/10/2018
C1202	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	03/01/2002
C1218	Water-Soluble Chloride in Mortar and Concrete	12/30/2019
C1260	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	04/14/2011
C1293	Determination of Length Change of Concrete Due to Alkali-Silica Reaction	03/01/2002
C1542	Measuring Length of Concrete Cores	06/08/2015
C1567	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	03/01/2002
C1583	Tensile Strength of Concrete Surfaces and the Bond Strength or Tensile Strength of Concrete Repair and Overlay Materials by Direct Tension (Pull-off Method)	08/23/2012
C1609	Flexural Performance of Fiber-Reinforced Concrete (Using Beam With Third-Point Loading)	12/30/2019



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Masonry

Standard:

Accredited Since:

C1314 Compressive Strength of Masonry Prisms

10/04/2012

C1552 Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing

03/11/2016



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Pozzolan

Standard:

Accredited Since:

C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	12/30/2019
C151	Autoclave Expansion of Hydraulic Cement	12/30/2019
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	12/30/2019
C185	Air Content of Hydraulic Cement Mortar	12/30/2019
C187	Normal Consistency of Hydraulic Cement	12/30/2019
C188	Density of Hydraulic Cement	12/30/2019
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	04/04/2023
C311 (Loss on Ignition)	Sampling and Testing Fly Ash or Natural Pozzolans for Use in Portland-Cement Concrete (Loss on Ignition)	04/04/2023
C430	Fineness of Hydraulic Cement by the 45- μ m (No. 325) Sieve	12/30/2019
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	12/30/2019
C1012	Length Change of Hydraulic-Cement Mortars Exposed to a Sulfate Solution	12/30/2019
C1437	Flow of Hydraulic Cement Mortar	12/30/2019



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Ultra-High Performance Concrete (UHPC)

Standard:

Accredited Since:

C1856-C39	Compressive Strength of Cylindrical Ultra-High Performance Concrete Specimens	12/30/2019
C1856-C42 (Testing Drilled Cores of Ultra-High Performance Concrete)	Testing Drilled Cores of Ultra-High Performance Concrete	12/30/2019
C1856-C157	Length Change of Hardened Ultra-High Performance Concrete	12/30/2019
C1856-C191	Time of Setting of Hydraulic Cement used in Ultra-High Performance Concrete by Vicat Needle	12/30/2019
C1856-C192	Making Ultra-High Performance Concrete Test Specimens in the Laboratory	12/30/2019
C1856-C469	Static Modulus of Elasticity and Poisson's Ratio of Ultra-High Performance Concrete in Compression	12/30/2019
C1856-C512	Creep of Ultra-High Performance Concrete in Compression	12/30/2019
C1856-C666	Resistance of Ultra-High Performance Concrete to Rapid Freezing and Thawing	12/30/2019
C1856-C944	Abrasion Resistance of Ultra-High Performance Concrete Surfaces by the Rotating-Cutter Method	12/30/2019
C1856-C1202	Electrical Indication of Ultra-High Performance Concrete's Ability to Resist Chloride Ion Penetration	12/30/2019
C1856-C1437	Flow of Cement Mortar used in Ultra-High Performance Concrete	12/30/2019
C1856-C1609	Flexural Performance of Fiber-Reinforced Ultra-High Performance Concrete (Using Beam With Third-Point Loading)	12/30/2019