



# 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](http://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 02/29/2024 at 1:02 AM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](http://aashtoresource.org/aap/accreditation-directory)



# 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- $\mu$ m (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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## Concrete

Standard:		Accredited Since:
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	Making and Curing Concrete Test Specimens in the Field	04/14/2011
C39	Compressive Strength of Cylindrical Concrete Specimens	03/01/2002
C42	Obtaining and Testing Drilled Cores and Sawed Beams 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
C672	Scaling Resistance of Concrete Surfaces Exposed to De-icing Chemicals	04/14/2011
C856	Petrographic Examination of Hardened Concrete	12/30/2019



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## Concrete (Continued)

Standard:		Accredited Since:
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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## Ultra-High Performance Concrete (UHPC)

### Standard:

### Accredited Since:

C1856-C39	Compressive Strength of Cylindrical Ultra-High Performance Concrete Specimens	12/30/2019
C1856-C42	Obtaining Drilled Cores and Sawed Beams 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



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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)	Loss on Ignition – Reference	07/20/2017
C151	Autoclave Expansion of Portland 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- $\mu$ m (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
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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## Masonry

### Standard:

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C1012 Length Change of Hydraulic-Cement Mortars Exposed to a Sulfate Solution	04/04/2023
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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## 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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## Pozzolan

### Standard:

### Accredited Since:

C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	12/30/2019
C114 (Loss on Ignition)	Loss on Ignition – Reference	04/04/2023
C151	Autoclave Expansion of Portland 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
C430	Fineness of Hydraulic Cement by the 45- $\mu$ 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