



CERTIFICATE OF ACCREDITATION



Nelson Testing Laboratories

in

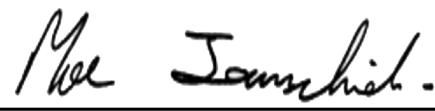
Elmhurst, Illinois, USA

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).



Bud Wright,
AASHTO Executive Director



Moe Jamshidi,
AASHTO COMP Chair

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SCOPE OF AASHTO ACCREDITATION FOR:

Nelson Testing Laboratories
in Elmhurst, Illinois, USA

Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	02/23/2005
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	04/23/2012
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	04/23/2012
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	01/10/2011
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/26/2015
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/31/2013
E329 (Masonry)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	11/10/2015



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Aggregate

Standard:	Accredited Since:
R76 Reducing Samples of Aggregate to Testing Size	10/02/2017
T11 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	10/02/2017
T19 Bulk Density ("Unit Weight") and Voids in Aggregate	10/02/2017
T21 Organic Impurities in Fine Aggregates for Concrete	10/02/2017
T27 Sieve Analysis of Fine and Coarse Aggregates	10/02/2017
T71 Effect of Organic Impurities in Fine Aggregate on Strength of Mortar	10/02/2017
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	10/02/2017
T85 Specific Gravity and Absorption of Coarse Aggregate	10/02/2017
T96 Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	10/02/2017
T104 Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	10/02/2017
T255 Total Moisture Content of Aggregate by Drying	10/02/2017
T303 Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	10/02/2017
C29 Bulk Density ("Unit Weight") and Voids in Aggregate	01/26/2015
C40 Organic Impurities in Fine Aggregates for Concrete	02/23/2005
C87 Effect of Organic Impurities in Fine Aggregate on Strength of Mortar	10/02/2017
C88 Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	10/02/2017
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	02/23/2005
C127 Specific Gravity and Absorption of Coarse Aggregate	02/23/2005
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/23/2005
C131 Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	10/02/2017
C136 Sieve Analysis of Fine and Coarse Aggregates	02/23/2005
C227 Potential Alkali Reactivity of Cement-Aggregate Combinations (Mortar-Bar Method)	02/23/2005
C441 Effectiveness of Pozzolans or Ground Blast-Furnace Slag in Preventing Excessive Expansion of Concrete Due to the Alkali-Silica Reaction	01/26/2015



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Aggregate (Continued)

Standard:	Accredited Since:
C535 Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	10/02/2017
C566 Total Moisture Content of Aggregate by Drying	02/23/2005
C702 Reducing Samples of Aggregate to Testing Size	02/23/2005
C1260 Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	08/17/2012
C1567 Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	02/23/2005



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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	10/02/2017
R39	Making and Curing Concrete Test Specimens in the Laboratory	10/02/2017
R60	Sampling Freshly Mixed Concrete	10/02/2017
T22	Compressive Strength of Cylindrical Concrete Specimens	10/02/2017
T23	Making and Curing Concrete Test Specimens in the Field	10/02/2017
T24	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	10/02/2017
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	10/02/2017
T119	Slump of Hydraulic Cement Concrete	10/02/2017
T121	Density (Unit Weight), Yield, and Air Content of Concrete	10/02/2017
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	10/02/2017
T157	Air-Entraining Admixtures for Concrete	10/02/2017
T158	Bleeding of Concrete	10/02/2017
T160	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	10/02/2017
T161	Resistance of Concrete to Rapid Freezing and Thawing	10/02/2017
T177	Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading)	10/02/2017
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	10/02/2017
T197	Time of Setting of Concrete Mixtures by Penetration Resistance	10/02/2017
T198	Splitting Tensile Strength of Cylindrical Concrete Specimens	10/02/2017
T231 (7000 psi and below)	Capping Cylindrical Concrete Specimens	10/02/2017
T277	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	10/02/2017
T303	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	10/02/2017
T309	Temperature of Freshly Mixed Portland Cement Concrete	10/02/2017
C31	Making and Curing Concrete Test Specimens in the Field	02/23/2005



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Concrete (Continued)

Standard:		Accredited Since:
C39	Compressive Strength of Cylindrical Concrete Specimens	02/23/2005
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	08/17/2012
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	02/23/2005
C138	Density (Unit Weight), Yield, and Air Content of Concrete	02/23/2005
C143	Slump of Hydraulic Cement Concrete	02/23/2005
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	02/23/2005
C172	Sampling Freshly Mixed Concrete	02/23/2005
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	02/23/2005
C192	Making and Curing Concrete Test Specimens in the Laboratory	02/23/2005
C215	Fundamental Transverse, Longitudinal and Torsional Frequencies of Concrete Specimens	08/17/2012
C227	Potential Alkali Reactivity of Cement-Aggregate Combinations (Mortar-Bar Method)	10/02/2017
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	02/23/2005
C232	Bleeding of Concrete	01/26/2015
C233	Air-Entraining Admixtures for Concrete	01/26/2015
C293	Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading)	01/26/2015
C403	Time of Setting of Concrete Mixtures by Penetration Resistance	02/23/2005
C441	Effectiveness of Pozzolans or Ground Blast-Furnace Slag in Preventing Excessive Expansion of Concrete Due to the Alkali-Silica Reaction	10/02/2017
C469	Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression	01/26/2015
C496	Splitting Tensile Strength of Cylindrical Concrete Specimens	01/26/2015
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	08/17/2012
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	08/17/2012
C642	Density, Absorption, and Voids in Hardened Concrete	01/26/2015
C666	Resistance of Concrete to Rapid Freezing and Thawing	02/23/2005



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Concrete (Continued)

Standard:		Accredited Since:
C672	Scaling Resistance of Concrete Surfaces Exposed to De-icing Chemicals	02/23/2005
C779	Abrasion Resistance of Horizontal Concrete Surfaces	10/02/2017
C827	Change in Height at Early Ages of Cylindrical Specimens of Cementitious Mixtures	01/26/2015
C882	Bond Strength of Epoxy-Resin Systems Used With Concrete By Slant Shear	02/23/2005
C939 (Pre-Mixed)	Flow of Grout for Preplaced-Aggregate Concrete (Flow Cone Method - Pre-Mixed Grout)	01/26/2015
C940	Expansion and Bleeding of Freshly Mixed Grouts for Preplaced-Aggregate Concrete in the Laboratory	10/02/2017
C942 (Pre-Mixed)	Compressive Strength of Grouts for Preplaced-Aggregate Concrete in the Laboratory (Pre-Mixed Grout)	10/02/2017
C944	Abrasion Resistance of Concrete or Mortar Surfaces by the Rotating-Cutter Method	10/02/2017
C953	Time of Setting of Grouts for Preplaced-Aggregate Concrete in the Laboratory	01/26/2015
C1064	Temperature of Freshly Mixed Portland Cement Concrete	02/23/2005
C1090	Measuring Changes in Height of Cylindrical Specimens of Hydraulic-Cement Grout	01/26/2015
C1138	Abrasion Resistance of Concrete (Underwater Method)	01/26/2015
C1140 (Obtaining and Testing Specimens)	Preparing and Testing Specimens from Shotcrete Test Panels	10/02/2017
C1152	Acid-Soluble Chloride in Mortar and Concrete	01/26/2015
C1202	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	02/23/2005
C1218	Water-Soluble Chloride in Mortar and Concrete	01/26/2015
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	08/17/2012
C1260	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	08/17/2012
C1293	Determination of Length Change of Concrete Due to Alkali-Silica Reaction	01/26/2015
C1542	Measuring Length of Concrete Cores	01/26/2015
C1567	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	01/26/2015
C1581	Determining Age at Cracking and Induced Tensile Stress	01/26/2015
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)	01/26/2015



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Concrete (Continued)

Standard:

Accredited Since:

C1610	Static Segregation of Self-Consolidating Concrete Using Column Technique	10/02/2017
C1611	Slump Flow of Self-Consolidating Concrete	01/26/2015
C1621	Passing Ability of Self-Consolidating Concrete by J-Ring	01/26/2015
C1741	Bleed Stability of Cementitious Post-Tensioning Tendon Grout	10/02/2017



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Cement - Physical Tests

Standard:

Accredited Since:

C348 Flexural Strength of Hydraulic-Cement Mortars	10/02/2017
C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/02/2017
C596 Drying Shrinkage of Mortar Containing Hydraulic Cement	10/02/2017
C1012 Length Change of Hydraulic-Cement Mortars Exposed to a Sulfate Solution	10/02/2017



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Masonry

Standard:		Accredited Since:
C67	Brick: Absorption	01/01/2011
C67	Brick: Capping	02/01/2010
C67	Brick: Compressive Strength	01/01/2011
C67	Brick: Initial Rate of Absorption	08/17/2012
C67	Brick: Measurement	01/01/2011
C67	Brick: Specimen Preparation	02/01/2010
C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	02/01/2010
C140	CMU: Absorption	02/01/2010
C140	CMU: Compressive Strength	02/01/2010
C140	CMU: Measurement	02/01/2010
C140	CMU: Sampling	02/01/2010
C185	Air Content of Hydraulic Cement Mortar	02/01/2010
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	02/01/2010
C426	Linear Drying Shrinkage of Concrete Masonry Units	10/02/2017
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	08/17/2012
C531	Linear Shrinkage and Coefficient of Thermal Expansion of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes	10/02/2017
C780 (Annex 1)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration	10/02/2017
C780 (Annex 6)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength	08/17/2012
C1019	Sampling and Testing Grout	08/17/2012
C1262	Evaluating the Freeze-Thaw Durability of Dry-Cast Segmental Retaining Wall Units and Related Concrete Units	10/02/2017
C1314	Compressive Strength of Masonry Prisms	01/26/2015
C1437	Flow of Hydraulic Cement Mortar	02/01/2010
C1506	Water Retention of Hydraulic Cement-Based Mortars and Plasters	02/01/2010



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Masonry (Continued)

Standard:

Accredited Since:

C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	02/01/2010
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