



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Mid Pac Engineering
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Valid To: October 31, 2023

Certificate Number: 5468.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory for:

CONSTRUCTION MATERIALS ENGINEERING

ASTM: C1077 (Standard Practice for Agencies Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Testing Agency Evaluation); Concrete and Concrete Aggregate
 E329 (Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection); Testing Concrete

CONSTRUCTION MATERIALS TESTING

<u>Test Method:</u>	<u>Test Description:</u>
<u>Aggregates:</u>	
ASTM C117	Standard Test Method for Materials Finer than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing
ASTM C127	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Coarse Aggregate
ASTM C128	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Fine Aggregate
ASTM C136/C136M	Sieve Analysis of Fine and Coarse Aggregates
ASTM D75/D75M*	Sampling Aggregates
<u>Bituminous:</u>	
ASTM D2041	Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures
ASTM D2950/D2950*	Density of Bituminous Concrete in Place by Nuclear Methods
ASTM D6926	Preparation of Bituminous Specimens Using Marshall Apparatus
ASTM D6927	Marshall Stability and Flow of Bituminous Mixtures
<u>Concrete:</u>	
ASTM C31/C31M*	Making and Curing Concrete Test Specimens in the Field
ASTM C39/C39M	Compressive Strength of Cylindrical Concrete Specimens
ASTM C78/C78M*	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)
ASTM C138/C138M*	Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete

Test Method:	Test Description:
Concrete (continued):	
ASTM C143/C143M*	Slump of Hydraulic-Cement Concrete
ASTM C172/C172M*	Sampling Freshly Mixed Concrete
ASTM C231/C231M*	Air Content of Freshly Mixed Concrete by the Pressure Method
ASTM C1064/C1064M*	Temperature of Freshly Mixed Hydraulic-Cement Concrete
ASTM C1231	Standard Practice for Use of Unbonded Caps in Determination of Compressive Strength of Hardened Cylindrical Concrete Specimens.
Soils:	
ASTM D1557	Laboratory Compaction Characteristics of Soil Using Modified Effort
ASTM D6938*	In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)

* This laboratory performs field testing activities for these tests.



Accredited Laboratory

A2LA has accredited

MID PAC ENGINEERING, LLC

Waipahu, HI

for technical competence in the field of

Construction Materials Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 14th day of December 2021.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5468.01
Valid to October 31, 2023

For the tests to which this accreditation applies, please refer to the laboratory's Construction Materials Scope of Accreditation.