

Miami-Dade County, Florida

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

BOARD AND CODE ADMINISTRATION DIVISION

PRODUCT CONTROL SECTION

Laboratory Certificate



11805 S.W. 26 Street-Room 208
Miami, Florida 33175-2474
T (786) 315-2590 Fax (786) 315-2599

This certifies that QAI Laboratories, Inc. DBA Fenestration Testing Laboratory located at 8148 NW 74 Avenue, Medley, FL 33166 is an approved Testing Laboratory in accordance with Miami-Dade County Department of Regulatory and Economic Resources and Protocol TAS301-94, and is Certified to perform the following tests:

TAS100	TAS202	ASTM D1761	ASTM E754	ASTM F588
TAS100(A)	TAS203	ASTM D1929	ASTM E783	ASTM F606
TAS101	ASTM B117	ASTM D2843	ASTM E894	ASTM E529
TAS102	ASTM B368	ASTM D3462	ASTM E935	ASTM G85
TAS102(A)	ASTM C39	ASTM D7147	ASTM E987	ASTM G155
TAS105	ASTM C42	ASTM E8	ASTM E1105	ASTM F842
TAS106	ASTM C140	ASTM E70	ASTM E1592	AAMA 103.3-89 Sec. 5
TAS107	ASTM C158	ASTM E72	ASTM E1646	AAMA 902-92
TAS123	ASTM C1167	ASTM E108	ASTM E1680	AAMA 906.3-05
TAS125	ASTM D635	ASTM E488	ASTM E935	AAMA 1302.5
TAS102(A)	ASTM B368	ASTM D7147	ASTM E754	AAMA 1303.05
TAS201	ASTM D897	ASTM E136	ASTM E1886	ANSI/SMA 6001

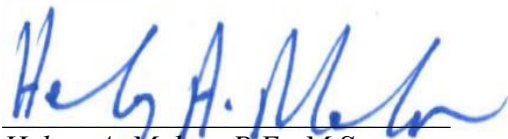
ANSI Z97.1 (Impact/CPSC 16 CFR1201)
IAS Certificate NO. TL- 948

Results of the above mentioned test shall be properly submitted to the Miami-Dade County Department of Regulatory and Economic Resources per TAS301-94, along with all other documentation required for the approval of products. Approved engineer(s) for this laboratory.


Idalmis Ortega, P.E., Marlin Brinson, P.E.

This Certification and Registration Approved: July 22, 2021
This Certification and Registration Expires : August 17, 2026

Certification No. : 21-0617.03 Renews: 19-0729.01



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
Product Control Section



Americo Segura, M.S., CGC
Quality Assurance Unit Supervisor
Product Control Section

The Miami-Dade County Department of Regulatory and Economic Resources reserves the right to remove this certification for non-compliance with rules and regulations as set by Protocol TAS301-94.



CERTIFICATE OF ACCREDITATION

This is to attest that

QAI LABORATORIES DBA FENESTRATION TESTING LABORATORY

8148 NORTHWEST 74 AVENUE
MEDLEY, FLORIDA 33166, U.S.A.

Testing Laboratory TL-948

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date September 11, 2020



A handwritten signature in black ink that reads "Raj Nathan".

President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

QAI LABORATORIES DBA FENESTRATION TESTING LABORATORY

www.QAI.org

Contact Name Karthik Easwar, P.E.

Contact Phone +1-604-527-8378

Accredited to ISO/IEC 17025:2017

Effective Date September 11, 2020

Fire	
ASTM E119	Standard Test Methods for Fire Tests of Building Construction and Materials
Physical	
ASTM B557	Standard Test Methods for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products
ASTM E8/E8M	Standard Test Methods for Tension Testing of Metallic Materials
Building Envelope & Fenestration	
AAMA-1304	Voluntary Specification for Determining Forced Entry Resistance of Side-Hinged Door Systems
AAMA/WDMA/CSA 101/I.S.2 A440	North American Fenestration Standard/ Specification for windows, doors, and skylights
ANSI Z97.1	For safety glazing materials used in buildings - safety performance specifications and methods of test (Section 5.1, 5.2 and 5.3.2 only)
ASTM E90	Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
ASTM E283	Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen
ASTM E330	Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference
ASTM E331	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference
ASTM E546	Standard Test Method for Frost/Dew Point of Sealed Insulating Glass Units
ASTM E547	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference
ASTM E576	Standard Test Method for Frost/Dew Point of Sealed Insulating Glass Units in the Vertical Position

SCOPE OF ACCREDITATION

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ASTM E1886	Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials
ASTM E1996	Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes
ASTM E2188	Standard Test Method for Insulating Glass Unit Performance
ASTM E2189	Standard Test Method for Testing Resistance to Fogging in Insulating Glass Units
ASTM E2190	Standard Specification for Insulating Glass Unit Performance and Evaluation
ASTM E2649	Standard Test Method for Determining Argon Concentration in Sealed Insulating Glass Units Using Spark Emission Spectroscopy
ASTM F588	Standard Test Methods for Measuring the Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact
ASTM F842	Standard Test Methods for Measuring the Forced Entry Resistance of Sliding Door Assemblies, Excluding Glazing Impact
CAN/CGSB12.1-2017	Safety glazing
CPSC 16 CFR 1201	Safety Standard for Architectural Glazing Materials
TAS 201	Florida Building Code — Test Protocols HVHZ - Impact Test Procedures
TAS 202	Florida Building Code — Test Protocols HVHZ - Criteria for Testing Impact and Nonimpact Resistant Building Envelope Components Using Uniform Static Air Pressure
TAS 203	Florida Building Code — Test Protocols HVHZ - Criteria for Testing Products Subject To Cyclic Wind Pressure Loading

AAMA: American Architectural Manufacturers Association

AAMA/WDMA/CSA: Joint publication by American Architectural Manufacturers Association (AAMA), the Window & Door Manufacturers Association (WDMA), and CSA Group.

ASTM: ASTM International

CGSB: Canadian General Standards Board

CPSC: Consumer Product Safety Commission

WDMA: Window and Door Manufacturer Association