

Miami-Dade County, Florida

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES  
BOARD AND CODE ADMINISTRATION DIVISION

Laboratory Certificate



PRODUCT CONTROL SECTION

11805 S.W. 26 Street-Room 208

Miami, Florida 33175-2474

T (786) 315-2590 Fax (786) 315-2599

*This certifies that Applied Research Laboratories of South Florida LLC located at 5371 N.W. 161 St., Miami, FL 33014 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:*

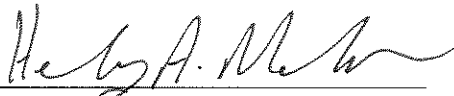
|                   |                                     |
|-------------------|-------------------------------------|
| TAS101            | TAS135 Section 7.4                  |
| TAS102            | ASTM C1167                          |
| TAS114 Appendix E | ASTM E529                           |
| TAS123            | IAS Accreditation Report No. TL-222 |
| TAS123(A)         |                                     |

*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:*

Luis Martinez, P.E., Marlin Dave Brinson, P.E.

***This Certification and Registration Approved: September 22, 2016***  
***This Certification and Registration Expires : November 11, 2021***

***Certification No. : 16-0811.10 Renews: 12-0718.07***

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

  
\_\_\_\_\_  
Americo Segura, M.S.  
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.*

International Accreditation Service

# CERTIFICATE OF ACCREDITATION

*This is to signify that*

## APPLIED RESEARCH LABORATORIES OF SOUTH FLORIDA, LLC

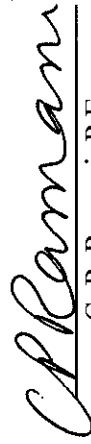
5371 NORTHWEST 161ST STREET  
MIAMI, FLORIDA 33014

Testing Laboratory TL-222

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ISO/IEC Standard 17025:2005, *General requirements for the competence of testing and calibration laboratories*, and has been accredited, commencing September 29, 2014, for the test methods listed in the approved scope of accreditation.



Patrick V. McCullen  
Vice President, Chief Technical Officer



C. P. Ramani, P.E.  
President



**ACCREDITED**

*(see attached scope of accreditation for fields of testing and accredited test methods)*

Print Date: 5/4/2016

This accreditation certificate supersedes any IAS accreditation certificate bearing an earlier date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation. See the IAS Accreditation Listings on the web at [www.iasonline.org](http://www.iasonline.org) for current accreditation information, or contact IAS directly at (562) 364-8201.

Page 1 of 2

International Accreditation Service

# SCOPE OF ACCREDITATION

Applied Research Laboratories of South Florida, LLC TL-222

Applied Research Laboratories of South Florida, LLC  
 5371 NW 161<sup>st</sup> St.  
 Miami, FL 33014

John Lewczak  
 Director of Quality Assurance  
 (305) 624-4800

| FIELDS OF TESTING                | ACCREDITED TEST METHODS  |
|----------------------------------|--|
| Physical Testing                 | ASTM Standards C 209, C 303, C 794, D 412, D 413, D 471, D 573, D 897, D 903, D 1598, D 1653, D 1654, D 2240, D 2370, D 2523, D 3359, E 96, E 1190, E 1512, F 876, G 29 and G 85;<br>ANSI/ASTM Standards D 256, D 570, D 638, D 790, D 1621, D 1622, and D 2126;   |
| Equipment                        | ASTM Standard B117;<br>ANSI Standards A14.1, ANSI/ARI Standard 210/240; ANSI/ASHRAE Standard 37;<br>ANSI/ASME Standards A17.1 (Section 8.33), A17.5 and A112.19.17;<br>ANSI/NFPA Standard 79; ANSI/UL Standards 22, 50, 65, 73, 96, 174, 197, 207, 231, 325, 465, 474, 484, 499, 506, 507, 508, 676, 710, 749, 756, 813, 834, 858, 873, 984, 1004-1, 1004-2, 1004-3, 1004-7, 1008, 1026, 1029, 1081, 1093, 1238, 1310, 1598, 1838, 1995, 1996, 2021, 2108, 5085-1, 5085-3;<br>UL Standards 104, 775 and 60601-1 (excluding Sections 5, 6 and 7 and Sub Clauses 43.2 and 48);<br>CAN/CSA Standard CAN/CSA-B72-M87   |
| ENERGY STAR Program Requirements | Light Commercial HVAC, (Light Commercial HVAC, (1- and 3- Phase Packaged and Split Systems <65,000 Btu/h) and ANSI/AHRI Standard 210/240 Performance Rating of Unitary Air-Conditioning and Air Source Heat Pump Equipment;<br><br>Air Source Heat Pump and Central Air Conditioner Equipment and ANSI/AHRI Standard 210/240 Performance Rating of Unitary Air-Conditioning and Air Source Heat Pump Equipment;<br><br>Room Air Conditioners and DOE Test Method 10 CFR 430, Subpart B, Appendix F;<br><br>Geothermal Heat Pumps and ANSI/AHRI Standard 870 (DGX Systems) and ISO 13256-1 (Water-to-air Models) and ISO 13256-2 (Water-to-water Models);<br><br>Residential Water Heaters and DOE Test Method 10 CFR 430, Subpart B, Appendix E (Electric Units only)<br><br>Water Coolers |

September 29, 2014  
 Commencement Date



**ACCREDITED**

*C. P. Ramani*

C. P. Ramani, P.E.  
 President

Print Date: 5/4/2016

Page 2 of 2

This accreditation certificate supersedes any IAS accreditation certificate bearing an earlier date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation. See the IAS Accreditation Listings on the web at [www.iasonline.org](http://www.iasonline.org) for current accreditation information, or contact IAS directly at (562) 364-8201