Miami-Dade County, Florida
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES
BOARD AND CODE ADMINISTRATION DIVISON
PRODUCT CONTROL SECTION
11805 S.W. 26 Street-Room 208
Miami, Florida 33175-2474
T (786) 315-2590 Fax (786) 315-2599

Laboratory Certificate

MIAMI-DADE COUNTY APPROVED

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. TL222
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: **July 26, 2012**
This Certification and Registration Expires : **November 11, 2016**

Certification No. : **12-0718.07** *Revises: 11-0824.04*

Jaime D. Gascon, P.E.
Proeduct 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 ANS/ISO/IEC Standard 17025:2005, *General requirements for the competence of testing and calibration laboratories*, and has been accredited, commencing May 30, 2012, for the test methods listed in the approved scope of accreditation.

Patrick V. McCullen
Vice President

C. P. Ramani, P.E.
President

ilac-MRA

IAS
ACCREDITED

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

Print Date: 07/16/2012

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 for current accreditation information, or contact IAS directly at (562) 364-8201.

11-04577

International Accreditation Service

SCOPE OF ACCREDITATION

Applied Research Laboratories of South Florida, LLC TL-222

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

Kristine Donate
Director of Engineering
(305) 624-4800

FIELDS OF TESTING	ACCREDITED TEST METHODS
Physical Testing	ANSI/ASTM Standards D 256, D 570, D 638, D 790, D 1621, D 1622, D 2126; and ASTM Standards C 67, C 165, C 192, C 209, C 236, C 270, C 303, C 348, C 495, C 511, C 648, C 794, C 805, C 1019, D 412, D 413, D 471, D 573, D 794, D 897, D 903, D 1598, D 1653, D 1654, D 2240, D 2370, D 2523, D 2939, D 3359, E 96, E 1190, E 1512, F 876, G 26, G 29 and G 85
Equipment	ANSI Standards A14.1, Z21.1, Z83.7, Z83.12, Z83.18; ANSI/ARI Standards ~~210~~, 410; ANSI/ASHRAE Standard 37; ANSI/ASME Standards A17.1 (Section 8.33), A17.5 and A112.19.17; ANSI/NFPA Standards 10, 79; ANSI/UL Standards 8, 22, 50, 65, 73, 96, 174, 181, 197, 207, 231, 303, 325, 465, 474, 484, 499, 506, 507, 508, 559, 560, 676, 710, 711, 749, 756, 813, 834, 858, 873, 883, 935, 984, 1004-1, 1004-2, 1004-3, 1004-7, 1008, 1026, 1029, 1081, 1093, 1096, 1238, 1262, 1310, 1570, 1571, 1572, 1585, 1598, 1838, 1995, 1996, 2021, 2108, 5085-1, 5085-3; ASHRAE Standard 33; ASTM Standard B117; and UL Standards 104, 112, 184, 664, 733, 775, 795 and 60601-1 (excluding Sections 5, 6 and 7 and sub clauses 43.2 and 48); CSA Standard CSA-B72-M87

March 30, 2012
Commencement Date

ACCREDITED

C. P. Ramani, P.E.
President

Print Date: 07/16/2012

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11-04680

International Accreditation Service

SCOPE OF ACCREDITATION

Applied Research Laboratories of South Florida, LLC TL-222

FIELDS OF TESTING	ACCREDITED TEST METHODS
ENERGY STAR Program Requirements Light Commercial HVAC (Central AC, Air Source Heat Pump and Split Systems), 65,000 Bth/h	ANSI/AHRI Standards 210/240(Performance Rating of Unitary Air-Conditioning & Air-Source Heat Pump Equipment)
Room Air Conditioners	DOE Test Method 10 CFR 430, Sub Part B, Appendix F and ENERGY STAR® Program Requirements for Room Air Conditioners
Geothermal Heat Pumps, DGX and Closed and Open Loop Systems	ANSI/ AHRI Standard 870, ISO 13256-1 for water-to-air models or ISO 13256-2 for water-to-water models
Water Heaters	DOE test method 10 CFR 430, Sub part B, Appendix E and ENERGY STAR® Program Requirements for Residential Water Heaters
Water Coolers (Non-gas and Non-solar)	ENERGY STAR Test Method for Water Coolers, October 2010

March 30, 2012
Commencement Date

ACCREDITED

C. P. Ramani, P.E.
President

Print Date: 07/16/2012

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11-04680