

Laboratory Certificate



Miami-Dade County, Florida

Building Code Compliance Office
Suite 1603
140 West Flagler Street
Miami, Florida 33130-1563
(305) 375-2901
Fax (305) 375-2908

This certifies that Applied Research Laboratories, Inc. located at 5371 N.W. 161 St., Miami, FL 33014 is an approved Testing Laboratory in accordance with Miami-Dade County Building Code Compliance and Protocol TAS301-94, and is Certified to perform the following tests:

IAS Accreditation Report No. TL222
OSHA Accredited per 29 CFR 1910.7 Federal Register
Reference: 68:579-83
TAS101
TAS102
TAS112
TAS114 Appendix E & F
TAS123
TAS123(A)
TAS135 Section 7.1 (Only: Thickness, Glass Content, Flexural Strength, Hardness, Light Transmission, Water Absorption, Accelerated Weathering, & Tensile)

TAS135 Section 7.2
TAS135 Section 7.4
ASTM C1167
ASTM E529

Results of the above mentioned test shall be properly submitted to the Miami-Dade County Building Code Compliance Office per TAS301-94, along with all other documentation required for the approval of products. Approved engineer(s) for this laboratory:

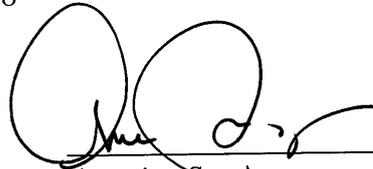
Christopher A. Hamon, P.E.

This Certification and Registration Approved: October 12, 2006
This Certification and Registration Expires : November 11, 2011

Certification No. : 06-0822.01 Renews: 02-0719.08



Jaime D. Gascon, P.E.
Chief
Product Control Division



Americo Segura
Acting Senior Quality Assurance Inspector
Product Control Division

The Miami-Dade County Building Code Compliance Office reserves the right to remove this certification for non-compliance with rules and regulations as set by Protocol TAS301-94.

International Accreditation Service, Inc.

CERTIFICATE OF ACCREDITATION

This is to signify that

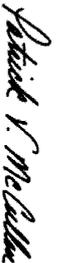
APPLIED RESEARCH LABORATORIES

5371 NORTH WEST 161ST STREET
MIAMI, FLORIDA 33014

Testing Laboratory TL-2222

has demonstrated compliance with ISO/IEC Standard 17025, *General criteria for the competence of testing and calibration laboratories* (encompassing the relevant requirements of the ISO 9000 series of standards), and has been accredited, commencing July 1, 2003, for the test methods listed in the approved scope of accreditation.

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



Patrick V. McCullen
Vice President



C. P. Ramani, P.E.
President

This accreditation certificate supersedes any IAS accreditation certificate bearing an earlier date. The certificate becomes invalid upon suspension, cancellation, revocation, or expiration of accreditation. See the IAS *Accreditation Listings* on the web at www.iasonline.org for current accreditation information, or contact IAS directly at (562) 699-0541. Print Date: 10/06/2003

International Accreditation Service, Inc.

SCOPE OF ACCREDITATION

-Testing Laboratory TL-222

Applied Research Laboratories
 5371 North West 161st Street
 Miami, FL 33014

Alan Sukert
 President
 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 1929, D 2126; and ASTM Standards B 117, C 39, C 67, C 165, C 177, C 192, C 209, C 236, C 270, C 303, C 348, C 411, C 495, C 501, 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 488, E 1190, E 1512, F 876, F 877, G 21, G 26, G 29, 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 Standard A17.5; ANSI/NFPA Standards 10, 79; ANSI/UL Standards 8, 22, 65, 73, 174, 187, 197, 207, 231, 303, 325, 465, 474, 484, 499, 506, 507, 508, 559, 560, 676, 710, 711, 749, 813, 834, 858, 873, 883, 935, 984, 1004, 1026, 1029, 1081, 1093, 1096, 1238, 1262, 1570, 1571, 1572, 1585, 1995, 1996; ASHRAE Standard 33; and UL Standards 104, 112, 181, 184, 544, 664, 733, 775, 795, 1838, 2021

July 1, 2003
 Commencement Date


 C. P. Ramani, P.E.
 President

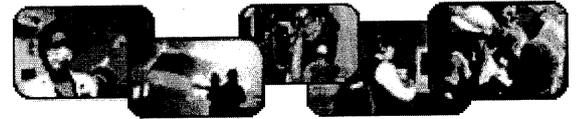
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U.S. Department of Labor
Occupational Safety & Health Administration

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DSTM > OTPCA > NRTL > Applied Research Laboratories, Inc. (ARL)

Printing Instructions

Applied Research Laboratories, Inc. (ARL)

Status:	Recognized
Docket Number:	NRTL-1-97
Main Address & Phone:	Applied Research Laboratories, Inc. 5371 NW 161st Street Miami, Florida 33014 305-624-4800
Site 1 Name & Address:	Applied Research Laboratories, Inc. 5371 NW 161st Street Miami, Florida 33014
Effective Date:	November 21, 1997
Last Federal Register:	68: 579-83, January 6, 2003

Programs:	
2. Acceptance of testing data from independent organizations, other than NRTLs.	
4. Acceptance of witnessed testing data.	
9. Acceptance of services other than testing or evaluation performed by subcontractors or agents.	
Product Standards:	
ANSI/ASME A17.5 *	Elevators and Escalator Electrical Equipment
ASTM E2074	Standard Method for Fire Tests of Door Assemblies
ANSI Z21.1	Household Cooking Gas Appliances
ANSI Z83.7	Gas-Fired Construction Heaters
ANSI Z83.11	Gas Food Service Equipment -- Ranges and Unit Broilers
ANSI Z83.18	Direct Gas-Fired Industrial Air Heaters
UL 10A	Tin-Clad Fire Doors

UL 10B	Fire Tests of Door Assemblies
ANSI/UL 22	Amusement and Gaming Machines
ANSI/UL 65	Electric Wired Cabinets
ANSI/UL 67	Electric Panelboards
ANSI/UL 73	Electric-Motor-Operated Appliances
UL 104	Elevator Door Locking Devices and Contacts
ANSI/UL 174	Household Electric Storage-Tank Water Heaters
UL 181	Factory-Made Air Ducts and Air Connectors
ANSI/UL 197	Commercial Electric Cooking Appliances
ANSI/UL 231	Power Outlets
ANSI/UL 325	Door, Drapery, Gate, Louver and Window Operator and Systems
UL 416	Refrigerated Medical Equipment
ANSI/UL 471	Commercial Refrigerators and Freezers
ANSI/UL 474	Dehumidifiers
ANSI/UL 499	Electric Heating Appliances
ANSI/UL 506	Specialty Transformers
ANSI/UL 508	Electric Industrial Control Equipment
UL 544	Electric Medical and Dental Equipment
ANSI/UL 555	Fire Dampers (previously Fire Dampers and Ceiling Dampers)
ANSI/UL 563	Ice Makers
UL 664	Commercial (Class IV) Electric Dry-Cleaning Machines
ANSI/UL 676	Underwater Lighting Fixtures
ANSI/UL 710	Exhaust Hoods for Commercial Cooking Equipment
UL 733	Oil-Fired Air Heaters and Direct-Fired Heaters
ANSI/UL 749	Household Electric Dishwashers
ANSI/UL 778	Motor-Operated Water Pumps
UL 795	Commercial-Industrial Gas-Heating Equipment
ANSI/UL 834	Heating, Water Supply, and Power Boilers--Electric
ANSI/UL 845	Motor Control Centers
ANSI/UL 858	Household Electric Ranges

ANSI/UL 935	Fluorescent-Lamp Ballasts
ANSI/UL 1004 **	Electric Motors
ANSI/UL 1026	Electric Household Cooking and Food-Serving Appliances
ANSI/UL 1029	High-Intensity Discharge Lamp Ballasts
ANSI/UL 1081	Electric Swimming Pool Pumps, Filters and Chlorinators
ANSI/UL 1262 ***	Laboratory Equipment
ANSI/UL 1450	Motor-Operated Air Compressors, Vacuum Pumps and Painting Equipment
ANSI/UL 1585	Class 2 and Class 3 Transformers
UL 1598	Luminaries
UL 1838	Low Voltage Landscape Lighting Systems
UL 1995	Heating and Cooling Equipment
ANSI/UL 1996	Duct Heaters
UL 2021	Fixed and Location-Dedicated Electric Room Heaters
ANSI/UL 2157	Electric Clothes Washing Machines and Extractors
ANSI/UL 2158	Electric Clothes Dryers
Restrictions/Limitations on Recognition Granted:	
* Recognition under ANSI/ASME A17.5 is limited to cab construction and associated electrical equipment.	
** Recognition under ANSI/UL 1004 is limited to 10HP maximum electric motors.	
*** Recognition under ANSI/UL 1262 is limited to sample processing equipment.	
Note - Testing and certification of gas operated equipment is limited to equipment for use with "liquefied petroleum gas" ("LPG" or "LP-Gas").	

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Revised: 16 September 2003

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Occupational Safety & Health Administration
200 Constitution Avenue, NW

Washington, DC 20210