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 Intertek Testing Services NA, Inc. located at 16015 Shady Falls Road, Elmendorf, TX 78112 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:

California State Fire Marshal Laboratory Accreditation
International Accreditation Service, Inc. (IAS) TL-143
TAS107
TAS114 (Appendix C & D)

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:

Frederick Curkeet, P.E.

This Certification and Registration Approved: **October 20, 2016**
This Certification and Registration Expires : **December 12, 2021**

Certification No. : **16-0922.03** *Renews: 11-1110.01*

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.

ITSTX4

INTERNATIONAL ACCREDITATION SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest that

INTERTEK TESTING SERVICES NA, INC.

16015 SHADY FALLS ROAD
ELMENDORF, TEXAS 78112-9784

Testing Laboratory TL-143

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 April 29, 2016, for the test methods listed in the approved scope of accreditation.

(See laboratory's scope of accreditation for fields of testing and accredited test methods.)

This accreditation certificate supersedes any IAS accreditation bearing an earlier effective date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation.
See http://iasonline.org/More/search.html for current accreditation information, or contact IAS at 562-364-8201.

INTERNATIONAL ACCREDITATION SERVICE®

ilac-MRA

C.P. Ramani

C.P. Ramani, P.E., C.B.O
President

15-12065

INTERNATIONAL ACCREDITATION SERVICE®

SCOPE OF ACCREDITATION

IAS Accreditation Number	TL-143
Accredited Entity	Intertek Testing Services NA, Inc.
Address	16015 Shady Falls Road Elmendorf, Texas 78112-9784
Contact Name	Tracie Stanush, Manager – Regional Operations
Telephone	(210) 635-8100
Effective Date of Scope	April 29, 2016
Accreditation Standard	ISO/IEC 17025:2005

FIELDS OF TESTING	ACCREDITED TEST METHODS
Fire Testing of Building Assemblies	ASTM Standards E119, E1529, E1623, E1725, E2226, E2336 and E2816; AS Standard 1530.4; CAN/ULC S Standards S 101, S 112, S 124, S 127, and S 134; ISO Standards 834 and 9705; BS Standard 476, Parts 4, 20, 21 and 24; EN Standards 1363-1, 1363-2, 1364-1, 1365-1, 1365-2, 1366-1, 1366-2, 1366-3, 1366-4, 1366-5 and 1366-6; Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria AC30, Test methods referenced in Sections 3.0 and 4.0 of ICC-ES Acceptance Criteria AC101, Test methods referenced in Sections 3.0 and 4.0 of ICC-ES Acceptance Criteria AC101.2, Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria AC121 (Section 5.0) and Test methods referenced in Section 3.4.4 and 3.4.5 and Appendices A1.2.1, A2.2.1, E and X2.1 of ICC-ES Acceptance Criteria AC377; IMO FTP Code Parts 3, 10 and 11; IMO Resolution A.754(18); JIS Standard A1321 (Intermediate Scale Calorimeter); MIL-STD-3020; NFPA Standards 251, 265, 268, 275, 285, 286 and 415 (Sections 6.4 and 6.5); UBC Standards 7-1, 8-2, 26-2, 26-3, 26-8 and 26-9; UL Standards 263, 555, 555c, 1709, 1715, 1978, and 2221; ULC S 135a; ULC/ORD-C 376
Fire Doors	ANSI/DASMA 107; ASTM Standard E2074; BS Standards 476, Part 22; CAN Standards 4-S 103 and 4-S 104; EN Standard 1634-1 IMO FTP Code Part 4; ISO Standard 3008; NFPA Standards 252 and 288; Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria AC84 and Test methods referenced in Sections 9.0 and 11.0 of ICC-ES Acceptance Criteria AC97; UBC Standard 7-2; UL Standards 6B, 10A, 10B, 10C and 155; ULC Subject C155

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Fire Windows	ASTM Standards E163 and E2010; CAN Standards 4-S106; ISO Standard 3009; NFPA Standard 257; UBC Standard 7-4; UL Standard 9
Fire Testing of Floor and Roof Covering	ASTM Standards E108, E648 and E970; CAN/ULC Standards S 107 and S 126; NFPA Standards 253 and 256; Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria AC39 (Section 4.0) and AC142 (Sections 4.0 and 5.0); SFM 12-7A-4; UL Standards 790 and 1256
Fire Stops	ASTM Standards E814, E1966 and E2307; CAN/ULC Standards S 112.2, and S 115; Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria AC30, (Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria AC35 ISO Standard 6944; UBC Standard 7-5; UL Standards 1479 and 2079
Furniture and Mattresses	16 CFR 1632 and 1633; ASTM Standards E1352, E1353, E1537 and E1590; Boston Fire Department (BFD) Bag Test, BFD IX-10 and BFD IX-11; BS Standards 5852, 6807, 7175; CA TB 106, CA TB 116, CA TB 117, CA TB 121, CA TB 129, CA TB 133, CA TB 603; EN Standards 1021-1 and 1021-2; IMO FTP Code Part 8, IMO FTP Code Part 9; IMO Resolutions A.652(16), A.688(17) and A.754(18); ISO Standards 8191-1 and 8191-2; Michigan Full Scale Mattress Test; NFPA Standards 260, 261, 266 and 267; Port Authority of NY and NJ-FAR 25.853; UL Standards 214, 1056 and 1895
Miscellaneous	49 CFR Part 179.18 (Appendix B); American Petroleum Institute (API) 6 FA, API 607; ASTM Standards C518, E662, F2519 (except Sections 6.4, 6.5, 8.5 and 8.8), and F1704; BAAQMD Reg. 6 No. 2; CAN/ULC-S 109; ISO Standards 22899-1 and 22899-2; NFPA Standards 58 Appendix H, 290; OTI 95 634; Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria AC110 SAE J 2464, Sections 4.3.2, 4.3.3, 4.3.5, 4.4.1, 4.4.2-EV and HEV and SAE J 2929 (Guideline for 2464), Sections 4.3, 4.4 and 4.7;

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Miscellaneous (continued)	UL Standards 72, 300A, 710, 710B, 710C, 711A , 900 and 2085; ULC S 111; ULC/ORD-C2043; UMC Standard 6-2; USCG PFM 2-98
Flammability	16 CFR 1610.4, 16 CFR 1630.4, 16 CFR 1632.1, 16 CFR 1632.4 and 49 CFR 571.302; ASTM Standards C1166, D3675, D4804, E 84, E 162, E 1321, E 1354 and E 2768; Boston Fire Department (BFD) IX-1, BFD Sections 11.2 and 11.3; BSS Standard 7239; CA State Fire Marshal Title 19; CAN Standards 2.4-162, CAN/ULC Standard S 102, and S 102.2; CAN/CGS Standard B-4.2 No.27.5; CPAI-84; CS 191; Department of Commerce (DOC) DOC -FF-1-70, DOC-FF-2-70, DOC-FF-4-72; EN Standards 597-1, 597-2, 1021-1 and 1021-2; FAA - AC 20-135 (Section 6 only); Federal Motor Vehicle Safety Standard (FMVSS) 302; Federal Test Method Standard (FTMS) 191 Method 5900, FTMS 191 Method 5903, FTMS 191 Method 5906 and FTMS 191 Method 5908; IMO FTP Code Part 5, IMO FTP Code Part 6, IMO FTP Code Part 7; IMO Resolutions A.471 (XII), A.563 (14), A.653(16), and A.687(17); JIS Standard D 1201; NFPA Standards 255, 701, 702 and 703; NY CAL 294-40-SR; PA of NY and NJ-Radiant Panel; UBC Standard 8-1; UL Standard 94, 723, 1820, 1887, and 1975
Physical	ASTM Standards (limited to 8' wide walls) E935, E1399, E1514, E1592 and E1637; FM Standards 4470 (Appendices C, D and K), 4474 (Appendices B, C and D), 4471 (Section 5.3 and Appendix D); Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria ICC ES AC86 and Test methods referenced in Section 4.1 of ICC-ES Acceptance Criteria ICC ES AC269; TAS 114 (Appendices C, D and J); UL Standard 1784
Aircraft Compartment Interiors Fire Test	DOT/FAA/TC-TN 12/11 (Bulk Load Fire, Containerized Fire); ISO 14186 (Section 6.2); Port Authority (PA) of NY and NJ-FAR 25.853 (Test Procedure showing compliance with Sections 25.853, 25.855 and 25.1359 only); SAE AS6453

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Electrical Fire Testing	AS/NZS Standard1660.5.6; CSA Standards C22.2 No. 0.3 (Flame Tests only.) and C22.2 No. 211 (Flame Test only), C22.2 No. 2556; ICEA T-29-520 and T-30-520; IEC Standards 60331-1, 60331-11, 60331-21, 60331-23, 60331-25, 60332-1-2, 60332-1-3, 60332-2-1, 60332-2-2, 60332-11, 60332-12, 60332-23, 60332-31, 60332-3-10, 60332-3-21, 60332-3-22, 60332-3-23, 60332-3-24, 60332-3-25, 60793-1-46, 61034-1 and 61034-2; IEEE Standards 383-1974, 383, 1202 and P848; MIL-PRF-85045 Sections 4.7.6.12.1 and 4.7.6.12.2 only); MIL-PRF-85045-15B (Flame Extinguishing Property only); MIL-PRF-85045-17B (Flame Extinguishing Property only); MIL-DTL-24640, Sections 4.7.17 through 4.7.17.3 and Sections 4.7.19 through 4.7.19.1; MIL-DTL-24643, Sections 4.8.25 through 4.8.25.3 and Sections 4.8.27 through 8.4.27.1; 30 CFR MSHA Standard 7.407 and 30 CFR MSHA Standard 7.408; NES 711 and NES 713; NFPA Standard 262; UL Subject 1724; UL Standards 910, 1581, 1666, 1685 (to Section 19 only), 2024, 2196 and 2556
Battery Testing	ECE RD-100 Annex 8D and 8E UL Standards 1642 (Sections 10-15,17,20), 1973 (Sections 13, 14, 25, 27, 28, 29, 36, and 37), 2580 (Sections 13, 14, 25, 26, 27, 29, 30, 31, 37, 38, 41, 42 and 43)