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 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 Building Code Compliance 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
-International Accreditation Service, Inc. (IAS) AA-657
-A2LA TL-0689.01
-TAS107
-TAS114 (Appendix C & D)

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:

Frederick Curkeet, P.E.

This Certification and Registration Approved: **May 4, 2006**
This Certification and Registration Expires : **December 12, 2011**

Certification No. : **06-0222.06** *Revises andRenews: 01-0918.03*

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

Jerry Hernandez
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.

CDF/Office of the State Fire Marshal
Fire Engineering Division
Building Materials Listing (BML) Program

APPROVED TESTING LABORATORIES

An approved testing organization is any person, firm, corporation or association equipped or having access to facilities which are equipped to perform tests in accordance with the **California State Fire Marshal's testing procedures**.

Approved testing organizations are divided into the following types:

TYPE A	Those who are qualified and equipped to conduct tests and examinations, have a labeling program, and conduct factory inspections of the materials and workmanship used in production of the listed items.
TYPE A1	Those who are qualified and equipped to conduct designated tests and examinations and have a recognized labeling and factory inspection program for specific products.
TYPE B	Those who are qualified and equipped to conduct all forms of tests and examinations but do not conduct factory inspections.
TYPE B1	Those who are qualified and equipped to conduct designated tests and examinations but do not conduct factory inspections.
TYPE C	Those who are qualified to conduct or supervise all forms of tests and examinations and who may utilize the facilities of other firms for the necessary testing equipment.
TYPE C1	Those who are qualified to conduct or supervise designated tests and examinations and who may utilize the facilities of other firms for the necessary testing equipment.
TYPE D	Organizations, firms, corporations or associations who possess approved equipment for testing, as designated, when utilizing the services of a Type C or C1 organization.

APPROVED TESTING LABORATORIES (CONTINUED)

TYPE A Those who are qualified and equipped to conduct tests and examinations, have a labeling program, and conduct factory inspections of the materials and workmanship used in production of the listed items.

Qualified Laboratories:

Underwriters Laboratories, Inc. (UL)
333 Pfingsten Road, Northbrook, IL 60062-2096

Underwriters Laboratories, Inc. (UL)
1285 Walt Whitman Road, Melville, L.I., NY 11747-3081

Underwriters Laboratories, Inc. (UL)
1655 Scott Lane, Santa Clara, CA 95050-4169

TYPE A1 Those who are qualified and equipped to conduct designated tests and examinations and have a recognized labeling and factory inspection program for specific products.

Limitations	**Qualified Laboratories:**
Gas and Oil-fired Appliances or Equipment	**CSA International/American Gas Association** 8501 Pleasant Valley Road, Cleveland, OH 44103 **CSA International/American Gas Association** 2805 Barranca Parkway, Irvine, CA 92606
Gas and Oil-fired Appliances or Equipment	**Applied Research Laboratories** 5371 NW 161st Street, Miami, FL 33014
Fire Alarm & Devices Door/Window Assemblies Waste Containers	**Enterprise Engineering Laboratory** 4815 Grimsby Drive, San Jose, CA 95130
Electrical Appliances Fire Alarm Annunciator Household Fire Alarm Panel Single-Point Locks UL 217	**Intertek Testing Services/ETL Testing Laboratories, Inc.** 3933 US Rte 11, Industrial Park, Cortland, NY 13045
Door/Window Assemblies UBC 7-2/UL 10B UBC 7-4/ASTM E163	**Braun Intertec Northwest** P. O. Box 17126, Portland, OR 97217

APPROVED TESTING LABORATORIES (CONTINUED)

TYPE A1 continued

Limitations	**Qualified Laboratories:**
Vertical Wall Furnace, Horizontal Testing of Fire Assemblies UBC 15-2, UBC 15-3, UBC 15-4 UBC 7-5/ASTM E814 UBC 7-1/ASTM E119 UBC 8-1/ASTM E84 UBC7-2/UL 10B UBC 7-4/ASTM163	**Intertek Testing Services/Warnock Hersey International** 3210 American Dr., Mississauga, Ontario L4V 1B3, Canada **Intertek Testing Services/Warnock Hersey International** 2200 Wymore Way, Antioch, CA 94509 **Intertek Testing Services/Warnock Hersey International** 211 Schoolhouse St., Coquitlam, BC, V3K 4X9, Canada **Intertek Testing Services/Warnock Hersey International** 8431 Murphy Drive, Middleton, WI 53562
UBC 8-1/ASTM E84 UBC 15-2, UBC 15-3, UBC 15-4 UBC 7-1/ASTM E119 UBC 7-2/UL 10B UBC 7-4/ASTM E163 UBC 26-1, UBC 26-4 CBC 12-42-100, UBC 8-2	**Southwest Research Institute** 8500 Culebra Road San Antonio, TX 78284
UBC 2-1/ASTM E136, UBC 4-1 UBC 26-2, UBC 26-3 UBC 8-1/ASTM E84, UBC 8-2 UBC 7-1/ASTM E119 UBC 7-2/UL 10B UBC 7-4/ASTM E163 UBC 7-5/ASTM E814 UBC 31-1 UL 555, UL 555S	**Omega Point Laboratories, Inc.** 16015 Shady Falls Road Elmendorf, Texas 78112
UBC 8-1/ASTM E84 UBC 7-1/ASTM E119 UBC 7-2/UL10B UBC 7-4/ASTM E163 UBC 7-5/ASTM E814 UBC 26-5 UL32, UL33, UL242 Flame Detectors Door/Panic Hardware Fire Sprinklers Fire Extinguisher Systems	***FM Approvals LLC** 1151 Boston-Providence Turnpike PO Box 9102 Norwood, MA 02062

APPROVED TESTING LABORATORIES (CONTINUED)

TYPE B1 Those who are qualified and equipped to conduct designated tests and examinations but do not conduct factory inspections.

Limitations	Qualified Laboratories:
UBC 8-1/ASTM E84	**Commercial Testing, Inc.** P. O. Box 985, Dalton, GA 30720
UBC 8-1/ASTM E84	**Hardwood Plywood Manufacturers Association** P. O. Box 2789, Reston, VA 22090
UBC 8-1/ASTM E84 UBC 15-2 LPG Detectors	**SGS United States Testing, Inc.** 8385 White Oak Avenue, Rancho Cucamonga, CA 91730
UBC 8-1/ASTM E84	**Twining Laboratories, Inc.** 3310-A Airport Way, Long Beach, CA 90801
UBC 8-1/ASTM E84	**Twining Laboratories, Inc.** 1514 N. Susan Street, Santa Ana, CA 92703
UBC 15-2 UBC 8-1/ASTM E84 UBC 7-2/UL 10B UBC 7-5/ASTM E814 LPG Detectors	**Applied Research Laboratories** 5371 NW 161st Street, Miami, FL 33014
UBC 7-1/ASTM E119	**Braun Intertec Northwest** P. O. Box 17126, Portland, OR 97217
Vertical Wall Furnace CBC 12-42-100 UBC 8-2	**Engineering Materials Laboratory** University of California at Berkeley Berkeley, CA 94720
UBC 15-2 E119/UBC 7-1	**Western Fire Center, Inc.** 2204 Parrott Way, Kelso, WA 98626

APPROVED TESTING LABORATORIES (CONTINUED)

Type B1 (continued)

Limitations	**Qualified Laboratories:**
UBC 8-1/ASTM E-84 (UL 723) UBC 7-1/ASTM E-119 UBC 7-2/UL 10B UBC 7-4/ASTM E163 (UL 9) UBC 7-5/ASTM E-814 UL 2079	***NGC Testing Services** 1650 Military Road, Buffalo, New York 14217-1198

TYPE C Those who are qualified to conduct or supervise all forms of tests and examinations and who may utilize the facilities of other CSFM approved testing agencies for the necessary testing equipment.

Enterprise Engineering Laboratories, Inc.
4815 Grimsby Drive, San Jose, CA 95130

TYPE C1 Those who are qualified to conduct or supervise designated tests and examinations and who may utilize the facilities of other firms for the necessary testing equipment.

Limitations	**Qualified Laboratories:**
Fire Alarm and Devices	**Enterprise Engineering Laboratories, Inc.** 4815 Grimsby Drive, San Jose, CA 95130
Underground Ducts	**Cascade Testing Laboratories, Inc.** 14120 NE 21st St., Bellvue, WA 98007
Waste Containers	**York Research** 1 Research Drive, Stamford, CT 06906
UBC 15-2	**Braun Intertec Northwest** P. O. Box 17126, Portland, OR 97217-0126

APPROVED TESTING LABORATORIES (CONTINUED)

TYPE D Organizations, firms, corporations or associations who possess approved equipment for testing, as designated, when utilizing the services of a Type C or C1 organization.

Qualified Laboratories:

***NGC Testing Services**
1650 Military Road, Buffalo NY 14217-1198

Hardwood Plywood Manufacturers Association
P. O. Box 6246, Arlington VA 22206

CDF/Office of the State Fire Marshal
Fire Engineering Division
Building Materials Listing (BML) Program

APPROVED INSPECTION SERVICES

Introduction: An approved inspection service is any person, firm, corpration or association which periodically and on a continuous basis, conducts inspections of listed materials and equipment to determine if the production line fabrication and workmanship is in accordance with the listing.

Limitation	Approved Inspection Services:
None	**Enterprise Engineering** 4815 Grimsby Drive, San Jose, CA 95130
None	**HC Nutting, Inc.** 4120 Airport Rd, Cincinnati, OH 45226
None	**Resources, Applications, Designs & Controls (RADCO), Inc** 3220 E. 59th Street, Long Beach , CA 90805 (562) 272-7231
None	**Smith-Emery, Inc.** 781 E. Washington Blvd, Los Angeles, CA 90021
None	**Testing & Controls, Inc.** 415 Peterson St., Oakland, CA 94601
None	**Twining Laboratories, Inc.** PO Box 47, Long Beach, CA 90801

APPROVED INSPECTION SERVICES (CONTINUED)

Limitation	Approved Inspection Services:
Automatic Exit Doors	**Detroit Testing Laboratory** 8720 Northend Ave, Oak Park, MI 48237
Automatic Exit Doors	**Twining Laboratories, Inc.,** PO Box 1472, Fresno, CA 93716
Fire Retardant Chemicals	**Carl Hafer** 6302 Stirrup Lane, San Antonio, TX 78241
Electrical/Fire Alarm	**Helms & Associates** 353 Bel Marin Keys Blvd., #14, Novato, CA 94949
Opening Protection	**Inspection & Research Laboratories** 1313 J N. Miller Ave., Anaheim, CA 92806
Fire-rated Doors/Windows Foam Plastics, Roof Coverings Decorative Materials, Interior Finish, & Flame Retardant Chemicals	**Omega Point Laboratories** 16015 Shady Falls Rd, Elmendorf, TX 78112
ASTM E-84, ASTM E-136	**United States Testing, Inc.** 1415 Park Ave., Hoboken, NJ 07030
Pressure Treated Fire Retardant Wood Shakes and Shingles UBC 15-2	**Quality Auditing Institute** 2825 Murray Street, Port Moody, British Columbia V3H 1X3 Canada (604) 461-8378
UBC 7-4/UL9 UBC 7-2/UL 10B UBC 7-2/UL 63 UL 228 UL 181 UBC 8-1/ASTM E84/UL723	**Product Certification Consultants, LLC** Garrett Tom 1676 Tupolo Drive, San Jose, Ca 95124 (408) 264-0131

International Accreditation Service, Inc.

CERTIFICATE OF ACCREDITATION

This is to signify that

OMEGA POINT LABORATORIES, INC.
16015 SHADY FALLS ROAD
ELMENDORF, TEXAS 78112-9784

Testing Laboratory TL-143

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 February 1, 2004, 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: 04/22/2004

International Accreditation Service, Inc.

SCOPE OF ACCREDITATION

Testing Laboratory TL-143

Omega Point Laboratories, Inc.
16015 Shady Falls Road
Elmendorf, TX 78112-9784

William E. Fitch, P.E.
Executive Vice President
(210) 635-8130

FIELDS OF TESTING	ACCREDITED TEST METHODS
Fire Testing of: Building Assemblies	ASTM Standards E 84, E 119, E 1529; ICC-ES Interim Criteria AC150; UBC Standards 7-1, 8-1, 26-3, 26-8 and 26-9; UMC Standard 6-2; UL Standards 72, 263, 723, 910, 1709, 1715, 1724, 1820, 1887, 1975, 2024, 2043, 2079 and 2085; ULC/ORD-C 376; ISO Standards 834 and 9705; BS Standard 476, Parts 4, 20, 21 and 24; CAN/ULC-S Standards 101-M89, S 102, S 102.2, S 134 and S 135; NFPA Standards 251, 255, 285 and 286; 16 CFR 1632.6; JIS Standard A1321; ASTM Standard E 1623 (Intermediate Scale Calorimeter); UBC Standard 26-9 (Intermediate Scale Multi-story Apparatus); United States Coast Guard (USCG) FTP Code Part 3
Fire Doors	ASTM Standard E 2074; ICC-ES Interim Criteria AC84 and AC97; UBC Standard 7-2; UL Standards 6B, 10A/10B and 155; ULC Standard C155; ISO Standard 3008; CAN 4-S 103 and CAN 4-S 104 M 80; Doors and Access System Manufacturers Association (DASMA) 107; USCG FTP Code Part 4; NFPA Standard 252
Fire Windows	ASTM Standards E 163 and E 2010; UBC Standard 7-4; UL 9; ISO Standard 3009; CAN 4-S 106 M 80; NFPA Standard 257

February 1, 2004
Commencement Date

C. P. Ramani, P.E.
President

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International Accreditation Service, Inc.

SCOPE OF ACCREDITATION

Testing Laboratory TL-143
Omega Point Laboratories, Inc.

FIELDS OF TESTING	ACCREDITED TEST METHODS
Fire Testing of: Floor and Roof Covering	ASTM Standards E 108, E 648 and E 970; ICC-ES Interim Criteria AC30, AC121 and AC142; UL Standards 790 and 1256; CAN/ULC-S 107-M 87, CAN/ULC-S 124-M 85, CAN/ULC-S 126; NFPA Standards 253, 256 and 288; ICC-ES Interim Criteria AC39
Fire Stops	ASTM Standards E 814 and E 1966; ICC-ES Interim Criteria AC30, AC35, AC101 and AC121; UBC Standard 7-5; UL Standards 555, 1479, 1978 and 2221; ISO Standard 6944; CAN 4-S 112.2-M85, CAN 4-S 115 and CAN/ULC-S 112-M90; NFPA Standards 262 and 265; IEEE Standard P848 D16
Furniture and Mattresses	ASTM Standards E 1537 and E 1590; UBC Standard 8-2; UL Standards 214, 1056 and 1895; ISO Standards 8191-1 and 8191-2; NFPA Standards 260, 261and 266; Boston Fire Department (BFD) Bag Test, BFD Sect. 11.2 and 11.3, BFD IX-1, BFD IX-10 and BFD IX-11; CA TB 106, CA TB 116, CA TB 117, CA TB 121, CA TB 129, CA TB 133; International Maritime Organization (IMO) Resolution A.688(17), IMO Resolution A.471 (XII), IMO Resolution A.563 (14), IMO Resolution A.652(16), IMO Resolution A.754(18); Michigan Full Scale Mattress Test; NY CAL 294-40-SR, Port Authority of NY & NJ-FAR 25.853; Upholstered Furniture Action Council (UFAC); USCG FTP Code Part 8, USCG FTP Code Part 9
Miscellaneous	ICC-ES Interim Criteria AC110; NFPA Standards 701, 702 and 703; American Petroleum Institute (API) 6 FA, API 607; USCG FTP Code Part 7; USCG PFM 2-98; CAN/ULC-S 109-M 87

February 1, 2004
Commencement Date

C. P. Ramani, P.E.
President

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International Accreditation Service, Inc.

SCOPE OF ACCREDITATION

Testing Laboratory TL-143
Omega Point Laboratories, Inc.

FIELDS OF TESTING	ACCREDITED TEST METHODS
Flammability	ASTM Standards C 1166, D 3675, D 4804, E 162, E 1352, E 1353, E 1354 and E 1590; UL Standard 94; BS Standards 5852, 6807, 7175, EN 597-1, EN 597-2, EN 1021-1 and EN 1021-2; BSS Standard 7239; CAN 2.4-162, CAN/ULC-S 127; NFPA Standards 267, 268 and 285; CA State Fire Marshal Title 19; 16 CFR 1610.4, 16 CFR 1630.4, 16 CFR 1632.1, 16 CFR 1632.4 and 49 CFR 571.302; JIS Standard D 1201; CPAI-84; CS 191; Department of Commerce (DOC) DOC -FF-1-70, DOC-FF-2-70, DOC-FF-4-72; Federal Motor Vehicle Safety Standard (FMVSS) 302; Federal Test Method Standard (FTMS) 191 Method 5900, FTMS 191 Method 5903, FTMS 191 Method 5906, FTMS 191 Method 5908; PA of NY & NJ-Radiant Panel
Small Scale Fire Tests	ASTM Standards D 568, D 635, D 1692, D 1929, D 2584, D 2859, D 2863, D 3801, D 4986, D 5048, E 136, E 662, E 1474, E 1354, E 1725, E 1740 and E 1822; UBC Standards 2-1, 26-6, 26-7 and 31-1; ISO Standards 1182, 5659, 5660, 9773 and DIS 9772.3; CAN 4-S 117.1-M85; NFPA Standards 258, 264, 270, 271 and 272; JIS Standard K7201; Airbus Directive (ABD) 0031, AITM 3.0005; CPAI-75; USCG FTP Code Part 1
Thermal Transmission	ASTM Standards C 518-97; UBC Standard 26-2
Physical	ASTM Standards E 72 and E 1399; UL Standard 1784
Aircraft Compartment Interiors Fire Test	PA of NY & NJ-FAR 25.853 (Test Procedure showing compliance with Sections 25.853, 25.855 and 25.1359 only); PA of NY & NJ-Radiant Panel

February 1, 2004
Commencement Date

C. P. Ramani, P.E.
President

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International Accreditation Service, Inc.

CERTIFICATE OF ACCREDITATION

This is to signify that

OMEGA POINT LABORATORIES, INC.
16015 SHADY FALLS ROAD
ELMENDORF, TEXAS 78112

Inspection Agency AA-657
Type A (Third-Party) Body

has demonstrated compliance with the ISO/IEC Standard 17020, *General criteria for the operation of various types of bodies performing inspection* and has been accredited commencing May 1, 2004, to provide inspection services in the approved scope of accreditation.

(see attached scope of accreditation for type, range, methods and procedures of inspection)

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: 05/18/2004

International Accreditation Service, Inc.

SCOPE OF ACCREDITATION

Inspection Agency AA-657
Type A (Third-Party) Body

Omega Point Laboratories, Inc.
16015 Shady Falls Road
Elmendorf, Texas 78112

William E. Fitch, P.E.
Executive Vice President
(210) 635-8100

FIELDS OF INSPECTIONS	TYPE AND RANGE OF INSPECTIONS	INSPECTION METHODS AND PROCEDURES
Prefabricated Fire-resistance and Fire-rated Assemblies	In plant	2000 *International Building Code*, Chapter 7
Foam Plastics	In plant	2000 *International Building Code*, Section 2603
Classified Roof Coverings	In plant	2000 *International Building Code*, Section 1505
Plywood	In plant	2000 *International Building Code*, Section 2303.3
Particleboard	In plant	2000 *International Building Code*, Section 2303.1.7

May 1, 2004
Commencement Date

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: 05/18/2004

International Accreditation Service, Inc.

SCOPE OF ACCREDITATION

Inspection Agency AA-657
Type A (Third-Party) Body

Fiberboard	In plant	2000 *International Building Code*, Section 2303.1.5
Plastic Plumbing Fixtures	In plant	2000 *International Plumbing Code*
Masonry Units	In plant	1997 *Uniform Building Code*, Section 1701.5; Omega Point Laboratory Inspection Procedure

May 1, 2004
Commencement Date

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: 05/18/2004

SCOPE OF ACCREDITATION TO ISO/IEC 17025 - 1999

OMEGA POINT LABORATORIES, INC.
16015 Shady Falls Road
Elmendorf, TX 78112-9784
William E. Fitch, P.E. Phone: 210 635 8100

THERMAL

Valid To: February 28, 2006 Certificate Number: 0689.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests:

Test Procedure	Title
16 CFR 1610.4	Flammability of Wearing Apparel
16 CFR 1630.4	Flammability of Carpet
16 CFR 1632.4	Flammability of Mattress and Mattress Pads
16 CFR 1632.6	Fire Test of Ticking Substitution
49 CFR 571.302	Flammability of Interior Materials
ABD0031	Determination of Specific Gas Components of Smoke Generated by Aircraft Interior Materials
AITM 3.0005	Determination of Specific Gas Components of Smoke Generated by Aircraft Interior Materials (Airbus Industrie)
API 6 FA	Fire Test of Valves
API 607	Fire Test of Quarter-Turn Valves
ASTM C 1166	Flame Propagation of Dense and Cellular Elastomeric Gaskets and Accessories
ASTM C 518	Thermal Conductivity
ASTM D 1692	Plastic Sheets & Foam Plastic
ASTM D 1929	Ignition Properties of Plastics
ASTM D 2584	Ignition Loss of Reinforced Plastics
ASTM D 2859	Ignition Characteristics of Finished Textiles Floor Coverings
ASTM D 2863	Oxygen Index
ASTM D 3675	Surface Flammability of Materials using a Radiant Heat Energy Source

Test Procedure	Title
ASTM D 3801	Vertical Flame Test of Plastics
ASTM D 4804	Flammability Characteristics of Nonrigid Solid Plastics
ASTM D 4986	Horizontal Burning of Cellular Polymeric Materials
ASTM D 5048	Burning Characteristics and Resistance to Burn-Through of Solid Plastics
ASTM D 568	Burning of Flexible Plastics in a Vertical Position
ASTM D 635	Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position
ASTM E 108	Fire Tests of Roof Coverings
ASTM E 119	Fire Tests of Building Constructions and Materials
ASTM E 1352	Resistance of Mock-Up Upholstered Furniture to Ignition by Smoldering Cigarettes
ASTM E 1353	Cigarette Ignition Resistance of Components of Upholstered Furniture
ASTM E 1354	Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter
ASTM E 136	Behavior of Materials in a Vertical Tube Furnace at 750°C
ASTM E 1399	Cyclic Movement of Architectural Joint Systems
ASTM E 1474	Heat Release Rate of Upholstered Furniture and Mattress Components or Composites Using a Bench Scale Oxygen Consumption Calorimeter
ASTM E 1529	Hydrocarbon Pool Fires on Structural Members and Assemblies
ASTM E 1537	Test Method for Fire Testing of Real Scale Upholstered Furniture Items
ASTM E 1590	Flammability Test Procedure for Mattresses
ASTM E 162	Surface Flammability of Materials using a Radiant Heat Energy Source
ASTM E 1623	Determination of Fire and Thermal Parameters of Materials, Products and Systems Using an Intermediate Scale Calorimeter (ICAL)
ASTM E 1725	Fire Tests of Fire-Resistive Barrier Systems for Electrical System Components
ASTM E 1740	Heat and Visible Smoke Release Rates for Wall Covering Composites Using an Oxygen Consumption Calorimeter
ASTM E 1822	Fire Testing of Stacked Chairs

Test Procedure	Title
ASTM E 1966	Standard Method for Fire Resistive Joint Systems
ASTM E 2010	Test Method for Positive Pressure Fire Tests of Window Assemblies
ASTM E 2074	Fire Tests of Door Assemblies
ASTM E 2307	Determining Fire Resistance of Perimeter Fire Barrier Systems Using Intermediate-Scale, Multi-Story Test Appartus
ASTM E 2336	Standard Test Methods for Fire Resistive Grease Duct Enclosure Systems
ASTM E 648	Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source
ASTM E 662	Specific Optical Density of Smoke Generated by Solid Materials
ASTM E 72	Standard Test Method for Conducting Strength Tests of Panels for Bldg. Construction
ASTM E 814	Fire Tests of Through- Penetration Fire Stops (Penetration Seals)
ASTM E 84	Surface Burning Characteristics of Materials
ASTM E 970	Critical Radiant Flux of Exposed Attic Floor Insulation using a Radiant Heat Energy Source
BFD Bag Test	Regulation of Upholstered Furniture
BFD IX-1	Classification Fire Tests of Fabrics
BFD IX-10	Regulation of Upholstered Furniture
BFD IX-11	Mattress Fire Test
BFD Sect. 11.2 & 11.3	Fire Tests of Flame Resistant Textiles & Films
BS 476, Part 20, 21	Fire Tests of Building Constructions and Materials; Window Assemblies; and Door Assemblies (BSI)
BS 476, Part 24	Determination of the Fire Resistance of Ventilation Ducts
BS 476, Part 4	Noncombustibility Test for Materials
BS 5852	Ignitability of upholstered composites for seating
BS 6807	Ignitability of Mattresses, Divans and Bed Bases with Primary and Secondary Sources of Ignition
BS 7175	Method of Testing for Ignitability of Bedcovers & Pillows by Smoldering Ignition Source
BS EN 1021-1	Furniture-Assessment of Ignitability of Upholstered Furniture (Smoldering Cigarette)
BS EN 1021-2	Furniture-Assessment of Ignitability of Upholstered Furniture (Match Flame)

Test Procedure	Title
BS EN 597-1	Furniture-Assessment of Ignitability of Mattresses & Bed Bases-Cigarette
BS EN 597-2	Furniture-Assessment of Ignitability of Mattresses & Bed Bases-Match Flame
BSS 7239	Boeing Specification Support Standard-Test Method for Toxic Gas Generation by Materials on Combustion
Ca State Fire Marshal Title 19	Fire Tests of Flame Resistant Textiles & Films
Ca TB 106	Resistance of Mattress and Mattress Pad to Combustion from a Smoldering Cigarette
Ca TB 116	Flame Retardance of Upholstered Furniture
Ca TB 117	Flame Retardance of Resilient Filling Materials
Ca TB 121	Flammability Test Procedure for Mattresses for Use in High Risk Occupancies
Ca TB 129	Flammability Test Procedure for Mattresses for Use in Public Occupancies
Ca TB 133	Flammability Test Procedure for Seating Furniture for Use in Public Occupancies
Ca TB 603	Requirements and Test Procedures for Resistance of a Mattress/Box Spring Set to a Large Open-Flame
CAN/ULC-S101-M89	Standard Methods of Fire Endurance Tests of Building Construction and Materials
CAN/ULC-S102	Surface Burning Characteristics of Materials-Canadian Version
CAN/ULC-S102.2	Canadian Floor Coverings Version-Surface Burning Characteristics of Building Materials
CAN/ULC-S107-M87	Fire Tests of Roof Coverings
CAN/ULC-S109-M87	Standard for Flame Tests of Flame-Resistant Fabrics and Films
CAN/ULC-S112-M90	Standard Method of Fire Test of Fire-Damper Assemblies
CAN/ULC-S126	Standard Method of Test for Fire Spread Under Roof-Deck Assemblies
CAN/ULC-S134-92	Standard Method of Fire Test of Exterior Wall Assemblies
CAN2-4.162	Hospital Textiles–Flammability Performance Requirements
CAN4-S103	Tin-Clad Fire Doors
CAN4-S104-M80	Standard Method for Fire Tests of Door Assemblies

Test Procedure	Title
CAN4-S106-M80	Standard Method for Fire Tests of Window and Glass Block Assemblies
CAN4-S112.2-M84	Standard Method of Fire Test of Ceiling Firestop Flap Assemblies
CAN4-S117.1-M85	Standard Method of Test for Flame Resistance Methenamine Tablet Test for Textile Floor Coverings
CAN4-S124-M85	Evaluation of Protective Coverings for Foamed Plastic
CPAI-75	Rate of Burn for Sleeping Bags
CPAI-84	Flammability of Canvas
CS 191	Flammability of Wearing Apparel
DASMA 107	Room Fire Test for Garage Doors Using Foam Plastic Insulation
DOC-FF-1-70	Flammability of Finished Textile Floor Coverings Materials
DOC-FF-2-70	Flammability of Finished Textile Floor Coverings Materials
DOC-FF-4-72	Flammability of Mattresses and Mattress Pads
FAA AC 20-135	Powerplant Installation and Propulsion System Component Fire Protection Test Methods, Standards, and Criteria
FAR 25.853	Test Procedure of Showing Compliance with §§ 25.853, 25.855 and 25.1359 (Aircraft Compartment Interiors Fire Test)
Fire Resistant Safe	Fire Resistant Safe
Fire Safe-1200°	1200° Fire Safe
FMVSS 302	Flammability of Interior Materials-Passenger Cars, Multipurpose Passenger Vehicles, Trucks and Busses
FRTW	Test for Fire Retardant Treated Wood (See NFPA 703)
FTMS 191; Method 5900	Flame Resistance of Cloth; Horizontal
FTMS 191; Method 5903	Flame Resistance of Cloth; Vertical

Test Procedure	Title
FTMS 191; Method 5906	Flammability, Burning Rate of Cloth; Horizontal
FTMS 191; Method 5908	Flammability, Burning Rate of Cloth; 45
ICAL	Intermediate Scale Calorimeter (See ASTM E 1623)
ICBO AC 101	Grease Duct, Durability Test
ICBO AC 110	Cellular (Foamed) Thermoplastic Trim Molding
ICBO AC 121	Grease Duct Systems, Self Enclosed
ICBO AC 142	Foam Plastic Insulation Applied Directly to Steel Decks
ICBO AC 150	Bathroom Partitions
ICBO AC 30	Joint Systems
ICBO AC 35	Grease Duct Enclosure Systems
ICBO AC 39	Walking Decks
ICBO AC 84	Testing of Fire Doors and Windows Under Positive Pressure
ICBO AC 97	Insulated Garage Doors with Foam Plastic Cores
IEC 60695-11-20	Test Flames 500W Flame Test Methods
IEEE 848	Standard Procedure for the Determination of the Ampacity Derating of Fire-Protective Cables
IMO Resolution A.471 (XII)	Recommendations on Test Method for Determining the Resistance to Flame of Vertically Supported Textiles and Films
IMO Resolution A.563 (14)	Amendments to the Recommendation on Test Method for Determining the Resistance to Flame of Vertically supported textiles and Films
IMO Resolution A.652 (16)	Recommendation on Fire Test Procedures for Upholstered Furniture
IMO Resolution A.688 (17)	Fire Test Procedures for Ignitability of Bedding Components
IMO Resolution A.754 (18)	Recommendations on Fire Resistance Tests for "A", "B", and "F" Class Divisions
ISMA	Intermediate Scale Multi-story Apparatus
ISO 1182	Behavior of Materials in a Vertical Tube Furnace at 750°C

Test Procedure	Title
ISO 3008	Fire Tests of Door Assemblies
ISO 3009	Fire Tests of Window Assemblies
ISO 340	Conveyor Belts – Flame Retardation – Specification and Test Methods
ISO 5659 (Part 1 & Part2)	Smoke Generation of Plastics
ISO 5660 (Part 1 & Part 2)	Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter
ISO 6944	Ventilation Duct Test
ISO 8191-1	Furniture-Assessment of Ignitability of Upholstered Furniture-Cigarette
ISO 8191-2	Furniture-Assessment of Ignitability of Upholstered Furniture-Match Flame
ISO 834	Fire Tests of Building Constructions and Materials
ISO 9705	Room Fire Test Standard for Interior of Foam Plastic Systems; (example: walk-in cooler)
ISO 9773	Plastics: Burning Behavior of Flexible Vertical Specimens in Contact with a Small Flame
ISO/DIS 9772.3	Horizontal Burning Characteristics of Small Specimens Subjected to a Small Flame
JIS A1321	Fire Tests-Building Materials-Non-Combustibility
JIS D1201	Flammability of Interior Materials-Passenger Cars, Multipurpose Passenger Vehicles, Trucks and Busses
JIS K7201	Limiting Oxygen Index
Michigan Full Scale Mattress	Michigan Department of Corrections Roll-Up Mattress Test
NFPA 251	Fire Tests of Building Constructions and Materials
NFPA 252	Fire Tests of Door Assemblies
NFPA 253	Critical Radiant-Flux of Floor Covering Systems Using a Radiant Heat Energy Source
NFPA 255	Surface Burning Characteristics of Building Materials
NFPA 256	Fire Tests of Roof Coverings
NFPA 257	Fire Tests of Window Assemblies
NFPA 258	Specific Optical Density of Smoke Generated by Solid Materials
NFPA 260	Cigarette Ignition Resistance of Components of Upholstered Furniture

Test Procedure	Title
NFPA 261	Resistance of Mock-Up Upholstered Furniture Material Assemblies to Ignition by Smoldering Cigarettes
NFPA 262	Fire & Smoke Characteristics of Electrical and Optical-Fiber Cables in Air Handling Spaces
NFPA 265	Full-Scale Test for Room Fire Growth Contribution of Textile Wallcoverings
NFPA 266	Test Method for Fire Testing of Real Scale Upholstered Furniture Items
NFPA 267	Flammability Test Procedure for Mattresses for Use in Public Occupancies
NFPA 268	Ignitability of Exterior Walls Assemblies Using a Radiant Heat Energy Source
NFPA 270	Test Method for Measurement of Smoke Obscuration Using a Conical Radiant Energy Source
NFPA 271	Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter
NFPA 272	Heat and Visible Smoke Release Rates for Upholstered Furniture Components or Composites and Mattresses Using an Oxygen Consumption Calorimeter
NFPA 285	Method of Test for the Evaluation of Flammability Characteristics of Exterior Non-Load-BearingWall Assemblies Containing Combustible Components Using the Intermediate-Scale Multistory Test Apparatus
NFPA 286	Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth
NFPA 288	Fire Tests of Floor Fire Door Assemblies Installed Horizontally in Fire Resistance-Rated Floor Systems
NFPA 701	Fire Tests for flame Resistant Textiles and Films
NFPA 703	Fire Retardant Treated Wood
NY Cal #294-40-SR	Fire Tests of Flame Resistant Textiles & Films
PA of NY & NJ-FAR 25.853	Test Procedure of Showing Compliance with §§ 25.853, 25.855 and 25.1359 (Aircraft Compartment Interiors Fire Test)

Test Procedure	Title
PA of NY & NJ-Radiant Panel	Surface flammability of Materials using a Radiant Heat Energy Source
UBC 2-1 (4-1)	Behavior of Materials in a Vertical Tube Furnace at 750° C
UBC 26-2 (17-3)	Evaluation of Thermal Barriers
UBC 26-3 (17-5)	Room fire Test Standard for Interior of Foam Plastic Systems; (example: walk-in cooler)
UBC 26-6	Ignition Properties of Plastics
UBC 26-7	Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position
UBC 26-8	Room Fire Test
UBC 26-9	ISMA Test
UBC 31-1 (55-1)	Flame Retardant Membranes
UBC 7-1 (43-1)	Fire Tests of Building Constructions and Materials
UBC 7-2 (43-2)	Fire Tests of Door Assemblies
UBC 7-4 (43-4)	Fire Test of Window Assemblies
UBC 7-5 (43-6)	Fire Tests of Through- Penetration Fire Stops (Penetration Seals)
UBC 8-1 (42-1)	Surface Burning Characteristics of Building Materials
UBC 8-2 (42-2)	Full-Scale Test for Room Fire Growth Contribution of Textile Wallcoverings
UFAC	Cigarette Ignition Resistance of Components of Upholstered Furniture
UL 10	Fire Test of Door Assemblies
UL 1056	Fire Test of Upholstered Furniture
UL 10B	Fire Test of Door Assemblies
UL 1256 Pt. 2	Underdeck Roof Construction Test
UL 1256 Pt. I (1998)	Fire Test of Roof Deck Constructions
UL 1479	Fire Test of Through Penetration Fire Seals
UL 1637 Sec. 52	Home Health Care Signaling Equipment; Polymeric Materials Tests
UL 155	Fire Test of Door Assemblies
UL 1709	Rapid Rise Fire Tests of Protection Materials for Structural Steel

Test Procedure	Title
UL 1715	Room Fire Test Standard of Interior of Foam Plastic Systems; (example: walk-in cooler)
UL 1784	Air Leakage Tests of Door Assemblies
UL 1820	Fire Test of Pneumatic Tubing for flame and Smoke Characteristics
UL 1887	Fire Tests of Plastic Sprinkler Pipe of Flame and Smoke Characteristics
UL 1895	Fire Tests of Mattresses
UL 1975	Fire Tests for Foamed Plastics Used for Decorative Purposes (Exhibit Booth or Stage Setting)
UL 1978	Grease Ducts
UL 2024	Optical Fiber Cable Raceway
UL 2043	Heat and Visible Smoke Release for Discreet Products and Their Accessories Installed in Air-Handling Spaces
UL 2079	Tests for Fire Resistance of Building Joints
UL 2085	Insulated Aboveground Tanks for Flammable and Combustible Liquids
UL 214	Tests for Flame-Propagation of Fabrics and Films
UL 2221	Fire Endurance Performance of Grease Duct Enclosure Assemblies
UL 263	Fire Tests of Building Constructions and Materials
UL 555	Fire Dampers and Ceiling Dampers
UL 72	Fire Resistance of Record Protection Equipment
UL 723	Surface Burning Characteristics of Building Material
UL 790	Fire Tests of Roof Coverings
UL 9	Fire Test of Window Assemblies
UL 910	Fire & Smoke Characteristics of Electrical and Optical-Fiber Cables in Air Handling Spaces
UL 94	Tests for Flammability of Plastic Materials for Parts in Devices and Appliances: Comparative Burning Characteristics and Resistance to Burn - Through of Solid Plastics Using a 125 mm Flame.
UL 181 Sec. 9	Factory-Made Air Ducts and Air Connectors; Flame Resistance Test
ULC Subject C155-1975	Tests for Fire Resistance of Vault and File Room Doors

Test Procedure	Title
ULC/ORD-C376-1995	Fire Growth of Foamed Plastic Insulated Building Panels in a Full-Scale Room Configuration
ULC-S115-95	Standard Method of Fire Tests of Firestop Systems
ULC-S127-M	Standard Corner Wall Method of Test for Flammability Characteristics of Non-Melting Materials (4.3 foot Compartment)
ULC-S135-92	Standard Method of Test for Determination of Degrees of Combustibility of Building Materials Using an Oxygen Consumption Calorimeter (Cone Calorimeter)
UMC 6-2	Test Method for Fire and Smoke Characteristics of Electrical Cable and Plastic Sprinkler Pipe
USCG FTP Code Part 1	Non-Combustibility Test
USCG FTP Code Part 3	Test for "A", "B", and "F" class divisions
USCG FTP Code Part 4	Test for Fire Door Control Systems
USCG FTP Code Part 7	Test for Vertically Supported Textiles and Films
USCG FTP Code Part 8	Test for Upholstered Furniture
USCG FTP Code Part 9	Test for Bedding Components
USCG PFM 2-98	Test for Fiber Reinforced Gratings