

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 Intertek Testing Services NA Ltd. located at 1500 Brigantine Drive, Coquitlam, B.C. V3K 7C1 Canada 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:*

TAS100	TAS125 per UL580
TAS100(A)	TAS201
TAS101	TAS202
TAS102	TAS203
TAS102(A)	ASTM G151
TAS103	ASTM G155
TAS104	Standards Council of Canada Certificate No. 54
TAS112	I.A.S. Certificate TL-274
TAS110 per ASTM C1167 only	US Department of Labor (OSHA) Recognized in Federal
TAS114 Appendix D & F	Register under 29 CFR 1910.7 for Vancouver Site.

*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: January 24, 2013***

***This Certification and Registration Expires : March 27, 2018***

***Certification No. : 12-1220.16 Renews: 07-1205.05***

Jaime D. Gascon, P.E.  
Product Control Section Supervisor  
Product Control Section

Americo Segura  
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*

**INTERTEK TESTING SERVICES NA LTD.**

1500 BRIGANTINE DRIVE  
COQUITLAM, BRITISH COLUMBIA V3K 7C1  
CANADA

Testing Laboratory TL-274

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ANS/ISO/IEC Standard 17025:2005, *General criteria for the competence of testing and calibration laboratories*, and has been accredited, commencing July 5, 2011, for the test methods listed in the approved scope of accreditation.

*Patrick V. McCullen*

Patrick V. McCullen  
Vice President



**ACCREDITED**

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

Print Date: 07/15/2011

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) 699-0541.

*C. P. Ramani*

C. P. Ramani, P.E.  
President



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IAS is a subsidiary of the  
International Code Council®

International Accreditation Service  
**SCOPE OF ACCREDITATION**

Intertek Testing Services NA Ltd. TL-274

Intertek Testing Services NA Ltd.  
 1500 Brigantine Drive  
 Coquitlam, British Columbia V3K 7C1  
 Canada

Ian W. Chang, P.Eng.  
 Regional Quality Manager  
 (604) 520-3321

FIELDS OF TESTING	ACCREDITED TEST METHODS
Equipment	ANSI Standards, Z21.12, Z21.50/CSA 2.22, Z21.60/CSA 2.26, Z21.84, Z21.86/CSA 2.32 and Z21.88/CSA 2.33; ANSI/ASME Standards A112.1.2, A112.18.1, A112.18.3, A112.19.2, A112.19.3, A112.19.5, and A112.19.6; ANSI/ASSE Standard 1014 and 1016; ANSI/BHMA Standards A156.1, A156.2, A156.4 and A156.24; ANSI/UL Standards 48, 50, 103, 127, 641, 726, 727, 729, 731, 732, 1563, 1778 and 1995; ASSE Standards 1025; ASTM Standard E 1509; UL Standards 391 and 773
Fire	ANSI/UL Standards 910, 1715 and 1887; ASTM Standards E 84, E 119, E 136, E 152, E 162, E 163 and E 814; NFPA Standards 251, 252, 256, 257, 265, 286 and 701; UBC Standards 7-1, 7-2, 7-3, 7-4, 7-5, 8-1 and 26-4; UL Standards 9, 10A, 10B, 10C, 263, 479, 2079 and 2218
Physical/structural	AAMA Standard 501.1; ANSI Standards A151.1, Z97.1, Z124.1, Z124.2, Z124.3 and Z124.6; ANSI/UL Standards 224, 514A, 514B, 514C, 651, 651A, 737, 797, 884 and 1482; AATCC Test Method 127; ASTM Standards B 306, B 819, C 578 (except Section 11.10), C 794, D 143, D 198, D 638, D 779, D 828, D 905, D 906, D 1037, D 1761, D 1970, D 2016, D 2017, D 2395, D 2898, D 3161, D 4442, D 4444, D 4761, D 5055, D 5456, D 6108, D 6109, D 6111, D 6112, D 6117, E 8, E 72, E 96, E 283, E 330, E 331, E 547, E 1105, E 1886, E 1996, F 588, F 842, G 23 and G 26;



*C. P. Ramani*  
 C. P. Ramani, P.E.  
 President

July 5, 2011  
 Commencement Date

Print Date: 07/15/2011

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# International Accreditation Service

# SCOPE OF ACCREDITATION

Intertek Testing Services NA Ltd. TL-274

FIELDS OF TESTING	ACCREDITED TEST METHODS
Physical/structural (continued)	CPSC 16 CFR Standard 1201; Test methods referenced in Section 3.0 of ICC-ES Acceptance Criteria AC02, Section 4.0 of AC04, Sections 5.0 thru 8.0 of AC05, Section 4.0 of AC07, AC11, and AC12, Section 3.0 of AC13, Section 4.0 and Appendix A of AC14, Sections A3.0 and A 4.0 of AC16, Section 6.0 of AC24, Section 4.0 of AC29, Sections 3.3.1, 3.3.2, 3.3.3, 3.3.3, 3.4 and 4.0 of AC38, and AC39, Section 4.0 of AC46, Section 3.0 of AC47, Section 4.0 of AC48, Section 5.0 of AC59, and Section 4.0 of AC75, Sections 3.0 and 4.0 of AC86, and AC90, Section 4.0 of AC109, Section 4.0 of AC114, Section 3.0 of AC115, AC116, and AC122, Sections 3.0 and 4.0 of AC124, Section 5.0 of AC130, Sections 3.0 and 4.0 of AC148 (except Section 4.2), Section 3.0 of AC151, Section 4.0 of AC166, AC174 (except Section 3.9), and AC188 Table 1, Section 4.0 of AC207, Sections 3.0 and 4.0 of AC219, AC235, and AC273, Section 3.0 of AC275, Sections 3.0 and 4.0 of AC294, AC300, and AC359 (excluding Sections 3.2.1.2.4.1 and 3.2.1.3.1, ASTM G 21 and G 22 only) and Section 4.2 of AC365; AISI S904; SSTD Standard 12-94; TDI Standard TD 1-95; UL Standards 181, 555, 580, 907, 924, 997, 1777, 1784, 1812 and 1897; Roofing Application Standard TAS 103-95; AISI TS-5-02
Concrete (including fiber-reinforced concrete, masonry, cement, mortar and grout) and aggregates	ASTM Standards C 307, C 1354 and C 1364; Test methods referenced in Sections 3.0 and 4.0 of ICC-ES Acceptance Criteria AC51 (excluding Section 3.1.6)
ENERGY STAR tests – Commercial Refrigerators & Freezers	ENERGY STAR Program Requirements Product Specification for Commercial Refrigerators and Freezers (Version 2.1) (ANSI/ASHRAE Standard 72)



**ACCREDITED**

*C. P. Ramani*  
C. P. Ramani, P.E.  
President



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July 5, 2011

Commencement Date

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## SCOPE OF ACCREDITATION

**Intertek Testing Services NA Ltd.**  
**INTERTEK VANCOUVER LABORATORY**  
**1500 Brigantine Dr.**  
**Coquitlam, BC**  
**V3K 7C1**

Accredited Laboratory No. 54  
(Conforms with requirements of CAN-P-4E (ISO/IEC 17025:2005))

CONTACT: Mr. Simon Knight  
TEL: (604) 528-8739  
FAX: (604) 524-9186  
EMAIL: [simon.knight@intertek.com](mailto:simon.knight@intertek.com)

CLIENTS SERVED: All interested parties

FIELDS OF TESTING: Electrical/Electronic, Mechanical/Physical, Thermal & Fire Resistance

ISSUED ON: 2012-09-13

VALID TO: 2015-06-06

The following is a Scope of Accreditation for which this testing laboratory has been accredited to ISO/IEC 17025:2005. Note that the parent organization is also accredited as a certification body. The parent organization's Scope of Accreditation for certification activities may be broader than the listing of standards and test methods that appear below. Refer to the parent organization's Scope of Accreditation granted by the SCC for certification activities found at:

<http://www.scc.ca/en/accreditation/product-process-and-service-certification/directory-of-accredited-clients>

Where standards, such as product standards, are listed below, the laboratory is considered accredited only for the testing elements in those standards.

### **CONSTRUCTION**

#### **Construction Materials**

#### **Fasteners and Hardware (See also METAL and ELAS Sections)**

ASTM D1761 Testing Mechanical Fasteners in Wood

**Fire Resistant**

ASTM D1929	Spontaneous Ignition
ASTM D635	Rate of Burning
ASTM E119	Fire Tests of Building Construction and Materials
ASTM E136	Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 Degrees C E (2000)
ASTM E814	Fire Test of Fire Stop Assemblies
ASTM E84	Surface Burning Characteristics of Building Materials
CAN/ULC S101	Fire Endurance Tests of Building Construction and Materials
CAN/ULC S102	Surface Burning Characteristics of Building Materials and Assemblies
CAN/ULC S102.2	Surface Burning Characteristics of Flooring, Covering and miscellaneous Materials and Assemblies
CAN/ULC S104	Standard Method for Fire Tests of Door Assemblies
CAN/ULC S105	Fire Door Frames
CAN/ULC S109	Standard for Flame Tests of Flame Resistant Fabrics and Films
CAN/ULC S112	Standard Method of Fire Tests of Fire Damper Assemblies
CAN/ULC S114	Test for Non-Combustibility
CAN/ULC S115	Standard Method of Fire Tests of Fire Step Systems
CAN/ULC S124	Evaluation of Protective Coverings for Foam Plastics
CAN/ULC S127	Flammability Characteristics of Non-Melting Building Materials
CAN/ULC S129	Standard Method of Test for Smoulder Resistance of Insulation (Basket Method)
CAN4 S106	Standard Method for Fire Test of Window and Glass Block Assemblies

**Plumbing Products (See also ELAS,METAL and NONMETAL Sections)**

ASME A112.19.2/CSA-B45.1	Ceramic Plumbing Fixtures
ASME A112.19.3/CSA-B45.4	Stainless Steel Plumbing Fixtures
CSA B181.1	Abs Drain, Waste, and Vent Pipe and Pipe Fittings
CSA B181.2	PVC Drain, Waste, and Vent Pipe and Pipe Fittings
CSA B182.1	Plastic Drain and Sewer Pipe and Pipe Fittings
CSA B182.2	PVC Sewer Pipe and Fittings (PSM Type)
CSA B182.4	Profile PVC Sewer Pipe and Fittings
CSA B182.8	Profile polyethylene (PE) storm sewer and drainage pipe and fittings
CSA B45.0	General Requirements for Plumbing Fixtures Except for: Cl. 15.4, Corrosion Resistance Test

CSA B45.11	Glass Lavatories
CSA-B45.10	Hydromassage Bathtubs
CSA-B45.5	Plastic plumbing fixtures Except for: Cl. 5.6 Wear Test Cl. 5.7 Cleanability Test Cl. 5.17 Resistance to Fungi and Bacteria Growth

**Roof Coverings (See also ELAS Section)**

ASTM C170	Test Method of Compressive Strength of Dimensioned Stone
ASTM C836	Spec. for High Solids Content, Cold Liquid Applied Elastomeric Waterproofing Membrane for use with separate Wearing Course
ASTM C957	Spec. for High Solids Content, Cold Liquid Applied Elastomeric Waterproofing Membrane with Integral Wearing Surface
ASTM C97	Test Method of Absorption and Bulk Specific Gravity of Dimensioned Stone
ASTM C99	Test Method of Modulus of Rupture of Dimensioned Stone
ASTM D3161	Test Method for Wind Resistance of Asphalt Shingles
ASTM D3909	Specification for Asphalt Roll Roofing (Glass Mat) Surfaced with Mineral Granules
ASTM D395	Rubber Property Compression Set Method B
ASTM D412	Rubber Properties in Tension
ASTM D4601	Specification for Asphalt Coated Glass Fibre Base Sheet used in Roofing
ASTM D573	Rubber Deterioration in an Air Oven
CAN/CGSB 37-50	Asphalt, Rubberized, Hot Applied, for Roofing and Waterproofing Except for: Core Penetration, Flash Point
CAN/CGSB 37-52	Roofing and Waterproofing Membrane, Sheet Applied Elastomeric Except for: ASTM D3041 Ozone Resistance
CAN/CGSB 37-54	Roofing and Waterproofing Membrane Sheet Applied Flexible Polyvinyl Chloride Except for: ASTM D3041 Ozone Resistance
CAN/CGSB 37-58	Membrane, Elastomeric, Cold Applied Liquid, for Non-Exposed use in roofing and Waterproofing
CAN/CGSB-51.32	Sheathing, Membrane, Breather Type
CAN/CGSB-51.33	Vapour Barrier Sheet for use in Building Construction
CGSB 37-GP-56M	Standard for Membrane, Modified Bituminous, Prefabricated and Reinforced for Roofs
CGSB 37-GP-64M	Mat Reinforcing Fibrous Glass, for Membrane Waterproofing Systems and Built Up Roofing
CGSB 37-GP-70M	Mat Reinforcing Fibrous Glass, for Membrane Waterproofing Systems and Built Up Roofing

CSA A123.1	Asphalt Shingles Surfaced with Mineral Granules
CSA A123.3	Asphalt Shingles made with Glass Felt and Surfaced with Mineral Granules
CSA A123.5	Asphalt Shingles made with Glass Felt and Surfaced with Mineral Granules
UL 2218	UL Standard for Safety Impact Resistance of Prepared Roof Covering Materials

**(Thermal Insulation)**

ASTM C411	Test Method for Hot Surface Performance of High Temperature Thermal Insulation
ASTM C447	Test Method for Estimating the Maximum Use Temperature of Thermal Insulations
ASTM C547	Standard Specification for Mineral Fiber Pipe insulation
CAN/ULC S701	Thermal Insulation, Polystyrene, Boards and Pipe Covering Except for: ASTM D2863 Limiting Oxygen Index
CAN/ULC S702	Standard for Mineral Fibre Thermal Insulation for Buildings Except for: ULC S109-95 Basket Method
CAN/ULC S703	Standard for Cellulose Fibre Insulation Except for: corrosion tests, ASTM C1338 Fungal resistance, ASTM G-1 Preparing, Cleaning and Evaluating Corrosion Test Specimens ULC S130 Cigarette Test for Smoldering Resistance Embedded Electric Radiant Panel Test (HWC)
CAN/ULC S704	Standard for Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced
CAN/ULC S705.1	Standard for Thermal Insulation Spray Applied Rigid Polyurethane Foam, Medium Density Material - Specification Except for: CAN/ULC S770-00 Determination of Long-Term Thermal Resistance of Closed-Cell Thermal Insulating Foams ULS S774 Volatile Organic Emissions

**Wall Coverings (See also FIBRE, WOOD and ELAS Sections)**

ASTM C1185	Standard Test methods for Sampling and Testing Non-Asbestos Fiber-Cement Flat Sheet, Roofing and Siding Shingles, and Clapboards
ASTM C1186	Standard Specification for Flat Non-Asbestos Fiber-Cement Sheets

**(Curtain Walls)**

AAMA 501.1	Full Scale Dynamic Wind Test
AAMA 501.4	Full Scale Seismic Racking
ASTM E783	Air Exfiltration for Doors/Windows, Field Test

**Windows and Doors (See also ELAS, METAL, NONMET and WOOD Sections)**

AAMA/WDMA/CSA 101/I.S.2/A440-08	NAFS Windows and Skylights Except for: Section 10.12
ASTM E1105	Standard Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Skylights, Doors, and Curtain Walls, by Uniform or Cyclic Static Air Pressure Difference
ASTM E1996	Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes
ASTM E2068	Standard Test Method for Determination of Operating Force of Sliding Windows and Doors
ASTM E283	Test for Rate of Leakage through Exterior Windows, Curtain Wall and Doors
ASTM E330	Test for Structural Performance of Exterior Windows, Curtain Walls and Doors
ASTM E331	Test for Water Penetration of Exterior Windows, Curtain Walls and Doors
ASTM E547	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference
ASTM E72	Conducting Strength Test of Panels for Building construction
ASTM F588	Standard Test Methods for Measuring the Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact
ASTM F842	Standard Test Methods for Measuring the Forced Entry Resistance of Sliding Door Assemblies, Excluding Glazing Impact
CAN2-12.1	Glass, Safety, Tempered or Laminated
CGSB 63-GP-14M	Plastic Skylights
CGSB 82.1	Doors, Sliding Patio
CGSB 82.5	Insulated Steel Doors
CSA A440	Windows Except for: Section 10.12
CSA Z240.8.1	Light Duty Windows

**ELASTOMERS AND PROTECTIVE AND OTHER COATINGS**

**Plastics: Resins and Rubbers:**

**(Plastic, Parts and Products)**

ASTM C273	Shear Test in Flatwise Plane of Flat Sandwich Construction or Sandwich Cores
ASTM C297	Test Method for Tensile Strength of Flat Sandwich Constructions in Flatwise Plane
ASTM D2412	External Loading Properties of Plastic Pipe by Parallel-Plate Loading
ASTM D2444	Impact Resistance of Thermoplastic Pipe and Fittings by means of a Tup
ASTM D4226	Standard Test Methods for Impact Resistance of Rigid Poly(Vinyl Chloride) (PVC) Building Products Only for: Tup H.25
ASTM D618	Conditioning Plastics and Electrical Insulating Materials for Testing
ASTM D638	Tensile Properties of Plastics Except for: modulus-of-elasticity and low-extension measurements
ASTM D696	Standard Test Method for Coefficient of Linear Thermal Expansion of Plastics Between -30 C and 30 C with a Vitreous Silica Dilatometer
ASTM D732	Shear Strength of Plastics by Punch Tool
ASTM D790	Flexural Properties of Plastics and Electrical Insulating Materials Only for: semi-rigid and rigid plastics
ASTM D792	Specific Gravity and Density of Plastics by Displacement
ASTM E605	Thickness-Density of Sprayed Fire Resistive Materials Applied to Structural Members
ASTM G153	Practice for Operating Light and Water Apparatus (Carbon Arc Type) for Exposure of Non-Metallic Materials
ASTM G154	Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials
ASTM G155	Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials
ASTM D4226	Standard Test Methods for Impact Resistance of Rigid Poly(Vinyl Chloride) (PVC) Building Products

**(Strength of Material)**

ASTM C203	Break Load and Calculated Flexural Strength of Preform Block-Type Thermal Insulation
ASTM C297	Tension Test of Flat Sandwich Construction in Flat Wise Plane
ASTM D1621	Method of Test Compressive Properties of Rigid Cellular Plastics
ASTM D1623	Method of Test Tensile Properties of Rigid Cellular Plastics

ASTM D1790	Test for Brittleness temperature of Plastic Film by Impact
ASTM D2126	Method of Test for Response of Rigid Cellular Plastics to Thermal and Humid Aging
ASTM D2842	Method of Test for Water Absorption of Rigid Cellular Plastics
ASTM D570	Test for Water Absorption of Plastics
ASTM D751	Testing Coated Fabrics Except for: Hydrostatic resistance, Adhesion coating (to fabrics), and Tack tear resistance
ASTM D828	Method of test for Tensile Breaking Strength of Paper and Paperboard
ASTM D882	Tensile Properties of Thin Plastic Sheeting
ASTM E96	Methods for Measuring Water Vapour Transmission of Materials in Sheet Form

## **ELECTRICAL PRODUCTS AND ELECTRONIC PRODUCTS**

### **All types of Electrical and Electronic Products**

#### **Components and Assemblies:**

#### **Wiring and Related Products**

CSA C22.2 No. 21	Cord Sets and Power Supply Cords  Except for: Section 6.17 and 6.26
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#### **Electrical Appliances:**

#### **Cooking and Liquid Heating**

#### **Heating, Refrigerating and Air Conditioning**

CSA C22.2 No. 250.0	Luminaires Second Edition; General Instructions No1; UL 1598 Except for: 16.6 Hi-Current Resistance Test.
CSA C22.2 No. 3	Electrical Features of Fuel Burning Equipment

#### **Lighting and Fixtures**

CSA C22.2 No. 89	Swimming Pool Luminaries, Submersible Luminaries and Accessories
CSA C22.2 No. 9	Luminaries

#### **Miscellaneous Electrical Appliances (Specify) (Spas, Hot Tubs and Associated Equipment)**

**(Equipment Miscellaneous)**

CSA C22.2 no 101	Electrical Heated Beddings Appliances for Household Use
CSA C22.2 no 107.1	General use Power Supplies Except for: Section 9 Static Transfer Switches Clause 15.3.5 Anti-Flaming, Clause 17.3
CSA C22.2 No. 0.4	Bonding and Grounding of Electrical Equipment

**(Spas, Hot Tubs and Associated Equipment)**

CSA C22.2 No. 218.1	Spas, Hot Tubs and Associated Equipment
CSA C22.2 No. 218.2	Hydromassage Bathtub Appliances

**Motor Operated Electrical Appliances**

CAN/CSA 60335-2-17	1. Particular requirements for blankets, pads and similar flexible heating appliances
CAN/CSA 60335-2-24	Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers
CAN/CSA 60335-2-29	Particular requirements for battery chargers
CAN/CSA 60335-2-3	Particular requirements for electric irons
CAN/CSA 60335-2-41	Particular requirements for pumps
CAN/CSA 60335-2-43	Particular requirements for clothes dryers and towel rails
CAN/CSA 60335-2-53	Sauna Rooms
CAN/CSA 60335-2-60	Whirlpool Spas
CAN/CSA E60335.1	Household and Similar Electrical Appliances - Safety - Part 1. General Requirements Except for: Section 32 Toxicity
CSA C22.2 No. 247	Operators and Systems of Doors, Gates, Draperies and Louvres Except for: Clause 6.11
E60335-2-53	Household and Similar Electrical Appliances Safety Part 2-53: Particular Requirements for Sauna Heating Appliances (Adopted CEI/IEC 60335)
E60335-2-60	Particular Requirements of Whirlpool baths and Whirlpool Spas

**Equipment, Miscellaneous**

**Enclosures**

CSA C22.2 No. 18.1	Outlet Boxes, Conduit Boxes, and Fittings
CSA C22.2 No. 18.2	Non Metallic Outlet Boxes

**Materials:**

**Plastics**

CSA C22.2 No. 0.17                      Flammability testing of Polymeric Materials  
Except for:  
Clauses 4.3.2, 4.3.4, 5.2, and 7

**Motors, Generators, and Machines:**

CSA C22.2 No. 100                      Motors and Generators  
CSA C22.2 No. 77                      Motors with Inherent Overheating Protection Single  
Phase 280V max, 60A

**Scientific Instruments: (For biological, chemical electrical, mechanical optical and physical examination)**

C22.2 no.601-1                      Medical Electrical Equipment Part 1: General  
Requirements for Safety, Except for category AP and  
APG equipment  
C22.2-2-601-1-1                      Medical Electrical Equipment Part 1-1: General  
Requirements for Safety (Adopted CEI/EIC 60601-1-1:  
2000, second edition, 2000-12)  
CAN/CSA 60950- 1                      Information Technology Equipment - Safety - Part 1:  
General Requirements  
CSA C22.2 No 61010.1                      Safety Requirements for Electrical Equipment for  
Measurement, control, and Laboratory use - Part 1.  
General Requirements  
Except for: Section 12 Protection against Radiation,  
Including Laser Sources, and against Sonic and Ultrasonic  
Pressure  
Section 13 Protection against Liberated Gases, Explosion  
and Implosion.

**NON METALLIC MINERALS AND PRODUCTS**

**Energy Equipment: (Appliances)**

**Natural Gas Fired Appliances**

ANSI Z21.13/CSA 4.9                      Gas Fired Low Pressure Steam and Hot Water Boilers  
ANSI Z21.50/CSA 2.22                      Vented Gas Appliances  
ANSI Z21.58/CGA 1.6                      Outdoor Cooking Gas Appliances  
ANSI Z21.88/CSA 2.33                      Vented Gas Fire Place Heaters.  
ANSI Z83.11/CSA 1.8                      Gas Food Service Equipment.

CAN1-2.21	Gas-Fired Appliances for Outdoor Installation
CSA P.2	Testing Method for the Measuring Annual Fuel Utilization Efficiencies of Residential Furnaces and Boilers
CSA P.4.1	Testing Methods for Measuring Annual Fireplace Efficiency

### **Solid Fuel Fired Appliances**

CSA B366.1	Solid Fuel-Fired Central Heating Appliances General Instruction No.1 R (2002)
ULC S627	Standard for space heaters for use with solid fuels
ULC S628	Standard for Fireplace Inserts

## **WOOD PRODUCTS**

### **Construction Materials: (Including for Furniture)**

#### **Panel Products (Except Plywood)**

ASTM D1037	Wood Base Fibre and Particle Panel Materials
ASTM D2898	Standard Test Method for Accelerated Weathering of Fire-Retardant Treated Wood
CSA O325.0	Structural Sheathing
CSA O325.1	Test Methods for Construction Sheathing

#### **Wood Products, General**

ASTM D143	Testing Small Clear Specimens of Timber Except for: Impact Bending Test, Toughness Test
ASTM D198	Static Tests of Timber in Structural Sizes Except for: Torsion Tests
ASTM D2016	Moisture Content in Wood
ASTM D5055	Establishing and Monitoring Structural Capacities of Prefabricated Wood I Joist
ASTM D5456	Evaluation of Structural Composite Lumber Products Except for: ASTM D6815
CSA S347	Method of Test for Evaluation of Truss Plates Used in Lumber Joints
NLGA SPS 1	Special Products Standard for Finger Joined Lumber
NLGA SPS 2	Special Products Standard for Machine Stress Rated Lumber
NLGA SPS 3	Special Products Standard for Finger Joined Stud Lumber Only for: Vertical Use Only
NLGA SPS 4	Special Products Standard for Finger Joined Flange Stock Lumber

**Notes:**

***CAN-P-4E (ISO/IEC 17025):*** General Requirements for the Competence of Testing and Calibration Laboratories (ISO/IEC 17025-2005)

***ASTM:*** American Society of Test Methods

***ANSI:*** American National Standards Institute/ANSI

***NLGA:*** National Lumber Grades Authority

***CSA:*** Canadian Standards Association

***CAN/ULC:*** Underwriters Laboratories of Canada

***CAN/CGSB:*** Canadian General Standards Board

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S. Cross, Vice President,  
Accreditation Services

Date: 2012-09-13

Number of Scope Listings: 170

SCC 1003-15/74

Partner File #0

Partner: None