

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

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
TAS109(A)	National Evaluation Services Report No. NER-TL513
TAS112	ICBO Evaluation Service Certificate TL 212-12
TAS110 per ASTM C1167 only	US Department of Labor (OSHA) Recognized in Federal Register under 29 CFR 1910.7 for Vancouver Site.
TAS114 Appendix D & F	I.A.S. Certificate TL-274

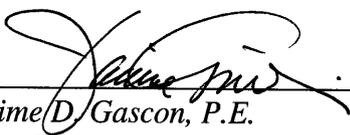
*Results of the above mentioned test shall be properly submitted to the Miami-Dade County Building Code Compliance Office per TAS301-94, along with all other documentation required for the approval of products. Approved engineer(s) for this laboratory:*

Stephen J. Emerman, P.E., Christopher Bowness, P.E.

***This Certification and Registration Approved: November 30, 2006***

***This Certification and Registration Expires : March 27, 2008***

***Certification No. : 06-0908.01 Reviews: 03-0225.09***

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

  
Americo Segura  
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.*

## SCOPE OF ACCREDITATION

**Intertek Testing Services NA Ltd.  
VANCOUVER LABORATORY  
211 Schoolhouse Street  
COQUITLAM BC V3K 4X9**

Accredited Laboratory No. 54

CONTACT: Mr. Lawrence Gibson TEL.: (604) 520-3321  
FAX.: (604) 524-9186  
Email: lgibson@itsqs.com

CLIENTS SERVED: All interested parties.

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

ISSUED ON: 2000-06-06 VALID TO: 2005-06-06

### **CONSTRUCTION**

#### **Building Constructions and Prefabricated Buildings:**

#### **Construction Materials: (Excluding textile products)**

**(Fasteners and Hardware  
Fire Resistance  
Floor Coverings  
Insulating Materials  
Miscellaneous Construction Materials  
Wall Coverings  
Plumbing Products  
(Plywood (see wood products))  
Roof Coverings  
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

## Accredited Laboratory No. 54

ASTM E331	Test for Water Penetration of Exterior Windows, Curtain Walls and Doors
ASTM E72	Conducting Strength Test of Panels for Building construction
CSA S347	Method of Test for Evaluation of Truss Plates Used in Lumber Joints

### (Curtain Walls)

AAMA 501.1	Full Scale Dynamic Wind Test
ASTM E283	Water Infiltration and Exfiltration
ASTM E330	Structural Performance
ASTM E331	Test for Water Penetration
ASTM E783	Air Exfiltration for Doors/Windows, Field Test
NAAMA TM-1-68T	Full Scale Dynamic Wind Test

### Fasteners and Hardware

ANSI/SAE J429	Externally Threaded Fasteners
ASTM A416	Steel for Prestressed Concrete Tendons
CSA G279	Steel for Prestressed Concrete Tendons
CSA G30.12	Billet-Steel Bars for Concrete Reinforcement
CSA G30.14	Deformed Steel Bars for Concrete Reinforcement
CSA G30.16	Weldable Low Alloy Steel Deformed Bars for Concrete Reinforcement

### Floor Coverings

CCMC MF 01111	Method for Lifting Sunken Concrete Floors
CCMC MF 07112.1	PVC Sheet Waterproofing (Exposed to Light, Pedestrian Traffic)
CSA A126.2	High Vinyl Floor Tile
CSA A126.3	Sheet Vinyl Flooring Products
CSA A126.4	Rubber Floor Tile

### Insulating Materials

ASTM C203	Flexural Strength
-----------	-------------------

## Accredited Laboratory No. 54

ASTM C273	Shear Strength
ASTM D1621	Compressive Strength
ASTM D1623	Tensile Strength
ASTM D2842	Water Absorption
ASTM E605	Thickness-Density of Sprayed Fire Resistive Materials Applied to Structural Members
CCMC	Guide for Sprayed-in-Place Flexible Modified Isocyanurate Thermal Insulation

### Thermal Insulation

CGSB 51 GP 9M	Thermal Insulation, Mineral Fibre, Sleeving, for Piping and Round Ducting
CGSB 51 GP 10M	Thermal Insulation, Mineral Fibre, Block or Board for Ducting, Machinery and Boilers
CGSB 51 GP 11M	Thermal Insulation, Mineral Fibre, Blanket, for Piping, Ducting, Machinery and Boilers
CGSB 51 GP 20M	Thermal Insulation, Expanded Polystyrene, Boards and Pipe Coverings (Excepting para. 7.33 Thermal Resistance)
CGSB 51 GP 21M	Thermal Insulation, Urethane and Isocyanurate Unfaced
CGSB 51 GP 40M	Thermal Insulation, Flexible, Elastomeric, Unicellular, Sheet and Pipe Covering
CGSB 51.26	Thermal Insulation Urethane and Isocyanurate Boards Faced

### Plumbing Products

ASTM D1599	Short-Time Hydraulic Failure Pressure of Plastic Pipe, Tubing and Fittings
ASTM D1784	Rigid Poly (Vinyl Chloride)(PVC) Compounds and Chlorinated (CPVC) Compounds
ASTM D1788	Rigid Acrylonitrile - Butadiene Styrene Abs Plastic
ASTM D2122	Determining Dimensions of Thermoplastic Pipe and Fittings
ASTM D2152	Degree of Fusion of Extruded Poly(Vinyl Chloride)(PVC) Pipe and Moulded Fittings
ASTM D2235	Solvent Cement for Acrylonite-Butadiene Styrene (ABS) Plastic Pipe and Fittings
ASTM F628	ABS Plastic Drain Waste and Vent Pipe having a Foam Core
CAN3-B45 SUP. NO. 1	Hydromassage Bath Tubs
CAN3-B45 SUP. NO. 2	Air Jet Hydromassage Bath Tubs
CAN3-B45.0	Plumbing Fixtures
CAN3-B45.1-M81	Vitreous China Plumbing Fixtures
CAN3-B45.2-M81	Enamelled Cast Iron Plumbing Fixtures
CAN3-B45.3-M81	Porcelain-Enamelled Steel Plumbing Fixtures

## Accredited Laboratory No. 54

CAN3-B45.4-M81	Stainless Steel Plumbing Fixtures
CAN3-B45.5-M81	Plastic plumbing fixtures
CAN3 B79	Floor Drains and Trench Drains
CAN3 B181.1	ABS Drain Waste and Vent Pipe and Pipe Fittings
CAN3 B181.2	PVC Drain Waste and Vent Pipe and Pipe Fittings
CAN3 B182.1	Plastic Drain and Sewer Pipe and Pipe Fittings
CAN3 B182.2	Large Diameter Type PSM PVC Sewer Pipe and Fittings
CSA B125-1975	Plumbing Fittings
CSA B137.0	Definitions General Requirements Test Methods for Thermoplastic Pressure Pipe
CSA B137.1	Polyethylene Pipe Tubing and Fittings for Cold Water Pressure Service
CSA B137.3	Rigid Poly (Vinyl Chloride) PVC Pipe for Pressure Applications
CSA B137.5	Cross Linked Polyethylene (PEX) Tubing Systems for Pressure Applications
CSA B137.6	CPVC Pipe, Tubing and Fittings for Hot and Cold Water Distribution Systems
CSA B137.7	Polybutylene (PB) Pipe for Cold Water Distribution Systems
CSA B137.8	Polybutylene (PB) Piping for Pressure Applications
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	Large-Diameter Ribbed PVC Sewer Pipe and Fittings
CSA B602	Mechanical Couplings for DWV and Sewer Pipe
CSA B70	Cast Iron Soil Pipe Fittings and means of Joining
CSA B79	Floor Drains and Trench Drains
CSA NO. 1260	Electric Bulletin No. 1260 Requirements for Hydromassage Bath Tubs

### Roof Coverings

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 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

## Accredited Laboratory No. 54

ASTM D395	Rubber Property Compression Set Method B
ASTM D412	Rubber Properties in Tension
ASTM D573	Rubber Deterioration in an Air Oven
ASTM D1149	Rubber Deterioration - Surface Ozone Cracking in a Chamber (Flat Specimen)
ASTM D2240	Rubber Property Durometer Hardness
ASTM D3161	Test Method for Wind Resistance of Asphalt Shingles
ASTM D3909	Specification for Asphalt Roll Roofing (Glass Mat) Surfaced with Mineral Granules
ASTM D4601	Specification for Asphalt Coated Glass Fibre Base Sheet used in Roofing
CAN2-51.32	Sheathing, Membrane, Breather Type
CAN2-51.33	Vapour Barrier Sheet for use in Building Construction
CCMC MF-07324	Cement Foodfibre Roof Tiles
CCMC MF-07411	Corrugated Asphalt Roof Panels
CCMC MF-07543	Cold Applied, Fluid, Elastomeric Roofing (Exposed to Light, Pedestrian Traffic)
CGSB 37-GP-50M	Asphalt, Rubberized, Hot Applied, for Roofing and Waterproofing
CGSB 37-GP-52M	Roofing and Waterproofing Membrane, Sheet Applied Elastomeric
CGSB 37-GP-54M	Roofing and Waterproofing Membrane Sheet Applied Flexible Polyvinyl Chloride
CGSB 37-GP-56M	Standard for Membrane, Modified Bituminous, Prefabricated and Reinforced for Roofs
CGSB 37-GP-58M	Membrane, Elastomeric, Cold Applied Liquid, for Non-Exposed use in roofing and Waterproofing
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
CSA B272	Prefabricated Self-Sealing Vent Flashing
ICBO	Criteria for Special Roofing Systems

## Accredited Laboratory No. 54

ICBO Criteria for Concrete Tile Underlayment on Spaced Sheathing

UBC 32-12 Roof Tile  
UBC 32-13/16 Modified Bitumen, Thermoplastic and Thermoset Membranes used for Roof Coverings

### Windows and Doors

CAN2-12.1 Glass, Safety, Tempered or Laminated  
CAN2-12.5 Mirrors, Silvered  
CAN2-12.6 Doors, Mirrors, Glass, Sliding or Folding Wardrobe

CGSB 63-GP-1M Extruded Aluminum Vertical and Horizontal Sliding Heavy Duty

CGSB 63-GP-2M Extruded Aluminum Vertical and Horizontal Sliding Medium Duty

CGSB 63-GP-3M Extruded Aluminum Vertical and Horizontal Sliding Standard Duty

CGSB 63-GP-5M Steel Vertical and Horizontal Sliding Standard Duty

CGSB 63-GP-6M Steel Vertical and Horizontal Sliding Medium Duty

CGSB 63-GP-14M Plastic Skylights

CGSB 82-GP-1M Aluminum Frame Sliding Standard Duty

CGSB 82-GP-2M Doors Glass Aluminum Frame Sliding Medium Duty

CGSB 82-GP-3M Doors Aluminum Combination Storm and Screen

CGSB 82.1 Doors, Sliding Patio

CGSB 82.5 Insulated Steel Doors

CSA 0132.1 Wood Windows

CSA A274 Vinyl Windows

CSA A440 Windows (except section 10.12)

CSA Z240.8.1 Light Duty Windows

NAAMM-1-68T Methods of test for Metal Curtain Walls

### (Fasteners)

ASTM D1761 Testing Mechanical Fasteners in Wood

### Fire Resistance

ASTM E119 Fire Tests of Building Construction and Materials

ASTM E814 Fire Test of Fire Stop Assemblies

## Accredited Laboratory No. 54

ASTM E84	Surface Burning Characteristics of Building Materials
CAN4 S10	Fire Endurance Tests of Building Construction and Materials
CAN4 S102	Surface Burning Characteristics of Building Materials and Assemblies
CAN4 S102.2	Surface Burning Characteristics of Flooring, Covering and miscellaneous Materials and Assemblies
CAN4 S104	Standard Method for Fire Tests of Door Assemblies
CAN4 S105	Fire Door Frames
CAN4 S106	Standard Method for Fire Test of Window and Glass Block Assemblies
CAN4 S112	Standard Method of Fire Tests of Fire Damper Assemblies
CAN4 S115	Standard Method of Fire Tests of Fire Damper Assemblies
CAN4 S124	Evaluation of Protective Coverings for Foam Plastics.
NRC	Full Scale Fire Test of Exterior Walls
UBC 17-6	Evaluation of Flammability characteristics of Exterior Wall Panels
UL 10B	Fire Tests of Door Assemblies
ULC S109	Standard for Flame Tests of Flame Resistant Fabrics and Films
ULC S114	Test for Non-Combustibility
ULC SUB. C155	Standard for Tests for Fire Resistance of Vault and File Room Doors
ULC SUB. C723	Small Scale Fire and Smouldering Tests for Cellulose-Fibre Loose Fill Insulated
ULC-S127	Flammability Characteristics of Non-Melting Building Materials

## **ELASTOMERS AND PROTECTIVE AND OTHER COATINGS**

### **Adhesives (Organic Resins) And Glues:**

**Adhesives**

**Binders**

**Glues**

### **Plastics; Resins and Rubbers:**

**Plastic, Parts and Products**

**Adhesives**

## Accredited Laboratory No. 54

ASTM D905	Strength Properties of Adhesive Bonds in Shear by Compressive Loading
ASTM D906	Strength Properties of Adhesive in Plywood Type const. In Shear by Tension
CSA 0112.3M1977	Casein Glues for Wood
CSA 0112.4M1977	Polyvinyl Adhesives for Wood
CSA 0112.5M1977	Urea Resin Adhesives for Wood
CSA 0122.0M1977	Wood Adhesives
CSA 0437.2 M86	Evaluation of Binder Systems for Wafer Board and Strand Board

### Plastics

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 C393	Flexural Test of Flat Sandwich Construction
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 D2563	Visual Defects in Glass Reinforced Plastic
ASTM D2733	Interlaminar Shear Strength of Structural Reinforced Plastics at Elevated temperature
ASTM D618	Conditioning Plastics and Electrical Insulating Materials for Testing
ASTM D638	Tensile Properties of Plastics
ASTM D648	Deflection temperature of Plastics under Flexural Load
ASTM D732	Shear Strength of Plastics by Punch Tool
ASTM D746	Brittleness temperature of Plastics and Elastomers by Impact
ASTM D790	Flexural Properties of Plastics and Electrical Insulating Materials
ASTM D792	Specific Gravity and Density of Plastics by Displacement
ASTM G23	Practice for Operating Light and Water Apparatus (Carbon Arc Type) for Exposure of Non-Metallic Materials
ASTM G26	Practice for Operating Light-Exposure Apparatus (Xenon Arc Type) with and without Water for Non-Metallic Materials

### (Strength of Material)

## Accredited Laboratory No. 54

ASTM 751	Testing Coated Fabrics
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 D3041	Testing Coated Fabrics-Ozone Cracking in a Chamber
ASTM D570	Test for Water Absorption of Plastics
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:**

CSA SPE-1000                      Model Code for the Field Evaluation of Electrical Equipment

### **Components and Assemblies:**

#### **Switches and Controls**

CSA C22.2 No. 55  
(Clauses 6.2, 6.3)                      Special Use Switches

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

CSA C22.2 No. 21  
(Clauses 6.4, 6.12, 6.17)                      Cord Sets and Power Supply Cords

ESB 001                                      B.C. Electrical Safety Branch - Inspection and Testing Requirements for Single Conductor Cords and Cord Sets

## Accredited Laboratory No. 54

### Electrical Appliances:

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

CSA C22.2 No. 150 (Clauses 6.6, 6.7, 6.9, 6.10, 6.11, 6.15, 6.16)	Microwave Ovens
CSA C22.2 No. 165 (Clauses 6.3, 6.5, 6.6)	Electric Boilers

#### **Lighting and Fixtures**

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

#### **Miscellaneous**

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

#### **(Equipment Miscellaneous)**

CSA C22.2 NO 218.1	Spas, Hot Tubs and Associated Equipment
CSA C22.2 NO 0.4	Bonding and Grounding of Electrical Equipment

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

CSA C22.2 NO 3	Electrical Features of Fuel-Burning Equipment
CSA C22.2 NO 231	Electric Furnaces in Combination with Solid Fuel Fire Furnaces

CSA C22.2 No. 72 (Clauses 6.2, 6.4, 6.11)	Heater Elements
--	-----------------

#### **Lighting and Fixtures**

CSA C22.2 NO 9	Luminaries
CSA C22.2 NO 13 Sec B and C	Transformers for Luminous-Tube Signs, Oil or Gas Burner Ignition Equipment Cold Cathode Interior Lighting
CSA C22.2 No. 37 (Clauses 6.2, 6.3, 6.9, 6.13)	Christmas Tree and Other Decorative Lighting Outfits
CSA C22.2 No. 43	Lampholders
CSA C22.2 No. 89 (Clauses 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9)	Swimming Pool Luminaries, Submersible Luminaries and Accessories

#### **Motor Operated Electrical Appliances**

## Accredited Laboratory No. 54

CSA C22.2 No. 243 (Clauses 6.3-6.14, 6.16-6.18)	Vacuum Cleaners and Blower Cleaners
CSA C22.2 No. 247 (Clauses 6.1-6.8, 6.10-6.13)	Operators and Systems of Doors, Gates, Draperies and Louvres
CSA C22.2 No. 1335.1 (Clauses 9, 10, 11, 13, 16)	Portable Electrical Motor-Operated and Heating Appliances

### Equipment, Miscellaneous:

#### Enclosures

CSA C22.2 No. 18 (excluding Clauses 6.7)	Outlet Boxes, Conduit Boxes, and Fittings
CSA C22.2 No. 85	Rigid PVC Boxes and Fittings

#### Panels

CSA C22.2 No. 29 (Clauses 6.1, 6.2)	Panelboards and Enclosed Panelboards
--	--------------------------------------

### Medical Devices:

#### Diagnostic Instruments

CSA C22.2 No. 114 (Clauses 6.3, 6.5, 6.6, 6.7, 6.9, 6.11, 6.12, 6.13, 6.14)	Diagnostic Imaging and Radiation Therapy Equipment
--	--

#### Health Care and Health Hazard Technologies

CSA C22.2 No. 125 (Clauses 6.3, 6.5, 6.6, 6.7, 6.9, 6.12, 6.13, 6.14)	Electromedical Equipment
CSA C22.2 No. 601.1 (Clauses 7, 19, 20, 42)	Medical Electrical Equipment

### Materials:

## Accredited Laboratory No. 54

### Plastics

CSA C22.2 No. 0.6  
(Clause 5) Flammability testing of Polymeric Materials

### Motors, Generators, and Machines:

CSA C22.2 No. 77  
(Clauses 6.3, 6.4, 6.5) Motors with Inherent Overheating Protection  
CSA C22.2 No. 100  
(Clauses 6.2, 6.3, 6.4,  
6.6) Motors and Generators

### Scientific Instruments:

(For biological, chemical, electrical, mechanical, optical and physical examination)

CSA C22.2 No. 151  
(Clauses 6.3-6.9, 6.12,  
6.18, 6.19) Laboratory Equipment

## ENVIRONMENTAL TESTING AND OCCUPATIONAL HEALTH AND SAFETY

### Occupational Health and Safety:

#### Fire Protection

#### (Fire Extinguishers)

CAN4-S507-M83 Standard for 9 Litre Stored Pressure Water Type Fire Extinguishers

#### (Values (Fire))

API 607 Fire Test for Soft-Seated Quarter Turn Valves  
API SPEC. 6FA API Specification for Fire Test for Valves

BS 6755 Testing of Valves, Part 2 Specification for Fire Testing Requirements

BP3-14-1 Soft-Sealed Ball Valves "Fire Safe" Type

City of Vancouver

**Accredited Laboratory No. 54**

Bulletin 91-9

Permits and Licences

Department

Sprinkler Flow Verification

Test for One and Two-Family Dwellings

**MARKETPLACE PRODUCTS-CONSUMER AND BUSINESS**

**Furniture and Consumer Articles:**

**Hazardous Products**

**(Portable Ladders)**

CAN3 Z11

Portable Ladders

**NON-METALLIC MINERALS AND PRODUCTS**

**Cement and Cement Based Products:**

**Products (blocks, etc)**

**Ceramics; Clay and Clay Products:**

**Ceramics**

**Energy Equipment: (Appliances)**

**Handling of Liquid Fuels**

**Natural Gas Fired Appliances**

**Solid Fuel Fired Appliances**

**Venting Equipment for Products of Combustion**

**Soil, Aggregates, Stone, Sand:**

**Aggregates**

**Geotechnical Surveys**

**Constituents**

**(Concrete Products)**

ASTM C140

Concrete Masonry Units, Sampling and Testing

## Accredited Laboratory No. 54

### (Ceramics)

CAN2-75.1 Ceramic Tile

### (Concrete)

ASTM C109 Compressive Strength of Hydraulic Cement Mortars  
CAN3-A5

ASTM C185 Air Content of Hydraulic Cement Mortar CAN3-A5

ASTM C190 Tensile Strength of Hydraulic Cement Mortars CAN3-A5

ASTM C266 Setting Time of Hydraulic Cement (Gillmore) CAN3-A5

### Aggregates

ASTM C136 Sieve Analysis of Fine and Coarse Aggregate

### (Handling of Liquid Fuels)

CSA B306 Portable Fuel Tanks for Marine Use

CSA B376 Portable Containers for Gasoline and other Petroleum Fuels

### (Natural Gas Fired)

CAN1-1.6 Outdoor Gas Grills

CAN1-2.21 Gas Fired Appliances for Outdoor Installation

CAN1-2.22 Vented Decorative Gas Appliances

CAN1-2.26 Decorative Gas Appliances for Installation in Vented  
Fireplaces

CGA 1.1 Domestic Gas Ranges

CGA 1.11 Gas Counter Appliances

CGA 1.4.1 Gas-Fired Automatic Storage Type Water Heaters with  
Inputs less than 75,000 Btuh

CGA 1.4.2 Circulating Tank, Instantaneous and Large Automatic  
Storage Gas Water Heaters

CGA 2.20 Gas Fired Brooders

CGA 2.3 Gas-Fired Gravity and Force Air Central Furnaces

CGA 2.5 Gas-Fire Gravity and Fan Type Vented Wall Furnaces

### (Solid Fuel Fired)

CAN3 B366.1 Solid Fuel Fired Appliances for Residential use

## Accredited Laboratory No. 54

CSA C22.2 NO.3 CSA NOTICE 49	Electrical Features of Fuel Burning Equipment Tubular Grates for Fireplaces
UL 127 UL 1482 UL 391	Factory Built Fireplaces Room Heaters Solid Fuel Type Solid Fuel and Combination Fuel Central and Supplementary Furnaces
UL 737 UL 959	Fireplace Stoves Medium Heat Appliance Factory Built Chimneys
UL SUBJECT 462 UL SUBJECT 907	Heat Reclaimers for Gas, Oil or Solid Fuel Burning Appliances Fire Place Accessories
ULC S610 ULC S611 ULC S627 ULC S628	Standard for Factory Built Fireplaces Standard for Factory Built Free Standing Fireplaces Standard for space heaters for use with solid fuels Standard for Fireplace Inserts

### **(Venting Equipment for Products of Combustion)**

ULC S632 ULC S638M	Standard for Heat Shields Standard for Glass Screens for Masonry Fireplaces
-----------------------	--

### **WOOD PRODUCTS**

#### **Construction Materials, Furniture:**

**Finish Wood**  
**Panel Products (Except Plywood)**  
**Plywood**  
**Timbers**  
**Lumber**  
**Wood Preservatives**  
**Wood Products, General**

#### **Panel Products**

ASTM D1037	Wood Base Fibre and Particle Panel Materials
CAN3 0188.0	Standard Test Methods for Mat-Formed Wood Particle Boards and Wafer Board
CAN3 0188.1	Interior Mat-Formed Wood Particle Board
CAN3 0188.2	Wafer Board
CAN3 0188.3	Exterior Bond Mat Formed Wood Particle Board

**Accredited Laboratory No. 54**

CAN3-0437.0 Wafer Board and Strand Board  
CAN3-0437.1 Test Methods for Wafer Board and Strand Board

CSA 0325.0 Structural Sheathing  
CSA 0325.1 Test Methods for Construction Sheathing

**Plywood**

CSA 0121 Douglas Fir Plywood  
CSA 0151 Canadian Softwood Plywood  
CSA 0153 Popular Plywood

**Wood Preservation**

AWPA A3 Determining Penetration of Preservatives and Fire Retardants  
CSA 0322 Certification of Pressure-Treated Wood Materials for use in P.W.F.  
CSA 080.15 Wood Preservation

**Wood Products**

ASTM DRAFT Evaluation of Structural Composite Lumber Products  
ASTM D143 Testing Small Clear Specimens of Timber  
ASTM D198 Static Tests of Timber in Structural Sizes  
ASTM D2016 Moisture Content in Wood  
ASTM D5055 Establishing and Monitoring Structural Capacities of Prefabricated Wood I Joist

CSA 0122 Structural Glued-Laminated Timber  
CSA 0177 Qualification Code for Manufacturers of Structural Glue-Laminated Timber

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 Vertical Use Only

**Accredited Laboratory No. 54**

---

D.W. Wilson, Director, Conformity Assessment

Scope Listings: 279, SCC 1003-15/74



# National Evaluation Service, Inc.

5203 Leesburg Pike, Suite 600, Falls Church, Virginia 22041-3401  
Phone: 703/931-2187 [www.nateval.org](http://www.nateval.org) Fax: 703/931-6505



---

## NATIONAL EVALUATION REPORT

### Report No. NER-TL513

*Re-Issued April 1, 2001*

#### DIVISION 01 – GENERAL REQUIREMENTS

#### Section 01410 – Testing Laboratories

#### REPORT HOLDER:

INTERTEK TESTING SERVICES NA, INC.  
INTERTEK TESTING SERVICES NA, LTD.  
70 CODMAN HILL ROAD  
BOXBOROUGH, MA 01719  
[www.etlsemko.com](http://www.etlsemko.com)

#### Branch Offices:

ETL  
Warnock Hersey (WHI)

#### Intertek Testing Services NA, Inc. (United States)

2200 Wymore Way, Antioch, CA 94509  
3933 US Rt. 11, Cortland, NY 13045  
8431 Murphy Dr., Middleton, WI 53562

#### Intertek Testing Services NA, Ltd. (Canada)

211 Schoolhouse St., Coquitlam, BC V3K 4X9  
1829 32<sup>nd</sup> Ave., Lachine, QC H8T 3J1  
3210 American Drive, Mississauga, ON L4V 1B3

#### EVALUATION SUBJECT:

LABORATORY FOR FIRE, EQUIPMENT,  
PHYSICAL AND STRUCTURAL TESTING

*This report is limited to the specific product and data and test reports submitted by the applicant in its application requesting this report. No independent tests were performed by the National Evaluation Service, Inc. (NES), and NES specifically does not make any warranty, either expressed or implied, as to any finding or other matter in this report or as to any product covered by this report. This disclaimer includes, but is not limited to, merchantability. This report is also subject to the limitation listed herein.*

**NATIONAL  
EVALUATION  
SERVICE, INC.**

**NES  
Product Evaluation Listing**

**1.0 SUBJECT**

**1.0 SUBJECT**

Laboratory for Fire, Equipment, Physical and Structural Testing.

**2.0 DESCRIPTION**

**2.0 DESCRIPTION**

**Intertek Testing Services NA, Inc., and Intertek Testing Services NA, Ltd.,** are accredited by an independent accreditation agency to perform the following types of testing:

**2.1** Fire Testing

**2.2** Equipment Testing

**2.3** Physical Testing

**2.4** Structural Testing

The specific test standards for which Intertek Testing Services NA, Inc., and Intertek Testing Services NA, Ltd. have accreditation are indicated in **Table 1** and are on file with the NES.

**3.0 EVIDENCE SUBMITTED**

**3.0 EVIDENCE SUBMITTED**

Evidence of accreditation and independence in accordance with ISO Guide 25 as delineated in the NES Rules of Procedure, Sections 6.1 and 6.3.

**4.0 CONDITIONS OF USE**

**4.0 CONDITIONS OF USE**

The National Evaluation Service Committee finds that Intertek Testing Services NA, Inc., and Intertek Testing Services NA, Ltd., comply with the requirements for a third-party testing laboratory in accordance with the *BOCA National Building Code/1999*, the *1999 Standard Building Code*, the *1997 Uniform Building Code*, the *2000 International Mechanical Code*, the *2000 International Plumbing Code*, the *2000 International Building Code*, the *2000 International Residential Code* and the *2001 Supplement to the International Codes*.

**4.1** Recognition of a product tested by Intertek Testing Services NA, Inc., and Intertek Testing Services NA, Ltd., require the product test report and data to be examined, and the findings to be noted in a specific evaluation report on the product. The report must be either an NES report or that of one of the participating members of the NES.

**4.2** Intertek Testing Services NA, Inc., and Intertek Testing Services NA, Ltd., are recognized for testing products in accordance with the standards referenced in Section 2.0 of this report where such standards are referenced by the applicable model code or where they are otherwise specifically deemed applicable by the authority having jurisdiction.

**4.3** This report is subject to periodic re-examination. For information on the current status of this report, consult the **NES Product Evaluation Listing** or contact the **NES**.

back to the **NES** home page

**NATIONAL  
EVALUATION  
SERVICE, INC.**

**NES  
Product Evaluation Listing**

**1.0 SUBJECT**

**2.0 DESCRIPTION**

**3.0 EVIDENCE SUBMITTED**

**4.0 CONDITIONS OF USE**

**Table 1**

<b>STANDARDS</b>	<b>Antioch, CA (San Francisco)</b>	<b>Coquitlam, BC (Vancouver)</b>	<b>Cortland, NY (Central NY)</b>	<b>Lachine, QC (Montreal)</b>	<b>Middleton, WI (Madison)</b>	<b>Mississauga, ON (Toronto)</b>
AAMA 101/IS 2					X	X
AAMA 501.1		X				X
ANSI A 151.1	X	X			X	
ANSI A 250.4	X				X	
ANSI Z 21.1			X		X	X
ANSI Z 21.5.1			X		X	X
ANSI Z 21.5.2			X			X
ANSI Z 21.10.1			X		X	X
ANSI Z 21.10.3			X			X
ANSI Z 21.11.1		X	X	X	X	X
ANSI Z 21.11.2		X		X	X	X
ANSI Z 21.12		X	X		X	X
ANSI Z 21.13			X		X	X
ANSI Z 21.15			X		X	
ANSI Z 21.17			X		X	
ANSI Z 21.18			X		X	
ANSI Z 21.20			X		X	
ANSI Z 21.21			X		X	
ANSI Z 21.23			X		X	
ANSI Z 21.35			X		X	
ANSI Z 21.40.1			X		X	
ANSI Z 21.42			X			X
ANSI Z 21.44		X	X		X	X
ANSI Z 21.47			X		X	X
ANSI Z 21.48			X		X	X
ANSI Z 21.49			X		X	X
ANSI Z 21.50		X	X	X	X	X
ANSI Z 21.56			X		X	X
ANSI Z 21.58			X		X	
ANSI Z 21.60		X	X	X	X	X
ANSI Z 21.64					X	
ANSI Z 21.76						X
ANSI Z 21.83			X		X	
ANSI Z 21.84		X				X
ANSI Z 21.86		X				X
ANSI Z 21.88		X				X
ANSI Z 83.4			X		X	X
ANSI Z 83.6						X
ANSI Z 83.7						X
ANSI Z 83.8			X		X	X
ANSI Z 83.9			X		X	X

back to the [NES](#) home page

**NATIONAL  
EVALUATION  
SERVICE, INC.**

**NES**  
**Product Evaluation Listing**

**1.0 SUBJECT**

**2.0 DESCRIPTION**

**3.0 EVIDENCE SUBMITTED**

**4.0 CONDITIONS OF USE**

**Table 1 – Continued**

<b>STANDARDS</b>	<b>Antioch, CA (San Francisco)</b>	<b>Coquitlam, BC (Vancouver)</b>	<b>Cortland, NY (Central NY)</b>	<b>Lachine, QC (Montreal)</b>	<b>Middleton, WI (Madison)</b>	<b>Mississauga, ON (Toronto)</b>
ANSI Z 83.11			X		X	X
ANSI Z 83.12			X		X	
ANSI Z 83.13			X		X	
ANSI Z 83.14			X		X	
ANSI Z 83.15			X		X	
ANSI Z 83.16			X		X	
ANSI Z 83.17			X			X
ANSI Z 83.18			X			X
ANSI Z 97.1	X	X	X		X	
ANSI Z 124.1		X				X
ANSI Z 124.2		X				X
ANSI Z 124.3		X				X
ANSI Z 124.6		X				X
ANSI/ASME A 112.1.2		X				X
ANSI/ASME A 112.18.1		X				X
ANSI/ASME A 112.18.3		X				X
ANSI/ASME A 112.19.2		X				X
ANSI/ASME A 112.19.3		X				X
ASME A 112.19.5		X				X
ANSI/ASME A 112.19.6		X				X
ANSI/ASSE 1014		X				X
ASSE 1016		X				X
ASSE 1025		X				X
ASTM B 88						X
ASTM B 117		X	X		X	X
ASTM B 280						X
ASTM B 306		X				X
ASTM B 819		X				X
ASTM B 837						X
ASTM C 236					X	
ASTM C 578		X			X	
ASTM D 143		X			X	X
ASTM D 198		X				X
ASTM D 635						X
ASTM D 638		X			X	X
ASTM D 790						X
ASTM D 905		X			X	
ASTM D 906		X			X	
ASTM D 1037		X				
ASTM D 1761		X	X	X	X	X
ASTM D 2016		X			X	X

back to the [NES](#) home page

**NATIONAL  
EVALUATION  
SERVICE, INC.**

**NES  
Product Evaluation Listing**

**1.0 SUBJECT**

**2.0 DESCRIPTION**

**3.0 EVIDENCE SUBMITTED**

**4.0 CONDITIONS OF USE**

**Table 1 – Continued**

<b>STANDARDS</b>	<b>Antioch, CA (San Francisco)</b>	<b>Coquitlam, BC (Vancouver)</b>	<b>Cortland, NY (Central NY)</b>	<b>Lachine, QC (Montreal)</b>	<b>Middleton, WI (Madison)</b>	<b>Mississauga, ON (Toronto)</b>
ASTM D 2394						X
ASTM D 2395		X				
ASTM D 2898		X				
ASTM D 3161	X	X			X	
ASTM D 4442		X				X
ASTM D 4444		X				X
ASTM D 4761		X				
ASTM D 5055		X				
ASTM D 5456		X				
ASTM D 6108		X				X
ASTM D 6109		X				X
ASTM D 6111		X				X
ASTM D 6112		X				X
ASTM D 6117		X				X
ASTM D 6341						X
ASTM E 8		X				X
ASTM E 72	X	X			X	
ASTM E 84		X	X	X		
ASTM E 90			X			
ASTM E 96		X				X
ASTM E 108	X				X	
ASTM E 119	X	X			X	
ASTM E 152	X	X			X	
ASTM E 162		X	X			
ASTM E 163	X	X			X	
ASTM E 283		X			X	X
ASTM E 330	X	X			X	X
ASTM E 331		X			X	X
ASTM E 336			X			
ASTM E 424					X	
ASTM E 492			X			
ASTM E 547		X			X	X
ASTM E 773	X				X	
ASTM E 774	X				X	
ASTM E 814	X	X			X	
ASTM E 1509		X		X	X	X
ASTM E 1512	X					
ASTM E 1886		X			X	
ASTM F 476	X				X	
ASTM F 588					X	
ASTM F 842						X

back to the [NES home page](#)

**NATIONAL  
EVALUATION  
SERVICE, INC.**

**NES**  
**Product Evaluation Listing**

**1.0 SUBJECT**

**2.0 DESCRIPTION**

**3.0 EVIDENCE SUBMITTED**

**4.0 CONDITIONS OF USE**

**Table 1 – Continued**

<b>STANDARDS</b>	<b>Antioch, CA (San Francisco)</b>	<b>Coquitlam, BC (Vancouver)</b>	<b>Cortland, NY (Central NY)</b>	<b>Lachine, QC (Montreal)</b>	<b>Middleton, WI (Madison)</b>	<b>Mississauga, ON (Toronto)</b>
ASTM F 1233	X					
ASTM F 1450	X					
ASTM F 1577	X					
ASTM F 1643	X					
ASTM F 1915	X					
ASTM G 23		X	X			
ASTM G 26		X	X			
ANSI/BHMA A 156.1	X	X	X		X	
ANSI/BHMA A 156.2	X	X	X		X	X
ANSI/BHMA A 156.3	X		X		X	X
ANSI/BHMA A 156.4	X		X			X
ANSI/BHMA A 156.5			X			
ANSI/BHMA A 156.7			X			
ANSI/BHMA A 156.8	X					
ANSI/BHMA A 156.9			X			
ANSI/BHMA A 156.11			X			
ANSI/BHMA A 156.13			X			
ANSI/BHMA A 156.14			X			
ANSI/BHMA A 156.15	X					
ANSI/BHMA A 156.16			X			
ANSI/BHMA A 156.17	X					
ANSI/BHMA A 156.18			X			
ANSI/BHMA A 156.23			X			
ANSI/BHMA A 156.24			X			
CDC-860-95 (a)	X					
CPSC 16CFR1201	X	X	X		X	
HPW-TP-0500.01	X					
ICBO AC 12		X			X	
ICBO AC 30	X					
ICBO AC 39		X			X	
ICBO AC 75		X				
ICBO AC 127	X					
ICBO AC 130		X				
NAAMA TM 168T		X				X
ANSI/NFPA 33			X			
ANSI/NFPA 96			X		X	
NFPA 251	X	X			X	
NFPA 252	X	X			X	
NFPA 256	X	X			X	
NFPA 257	X	X			X	
NFPA 701			X	X		

back to the [NES](#) home page

**NATIONAL  
EVALUATION  
SERVICE, INC.**

**NES**  
**Product Evaluation Listing**

**1.0 SUBJECT**

**2.0 DESCRIPTION**

**3.0 EVIDENCE SUBMITTED**

**4.0 CONDITIONS OF USE**

**Table 1 – Continued**

<b>STANDARDS</b>	<b>Antioch, CA (San Francisco)</b>	<b>Coquitlam, BC (Vancouver)</b>	<b>Cortland, NY (Central NY)</b>	<b>Lachine, QC (Montreal)</b>	<b>Middleton, WI (Madison)</b>	<b>Mississauga, ON (Toronto)</b>
NFRC 100					X	
NWWDA I.S 1-A					X	
NWWDA I.S 2					X	X
NWWDA I.S 3					X	X
NWWDA I.S 6					X	X
NWWDA I.S 7					X	X
NWWDA I.S 8					X	X
NWWDA I.S 9					X	X
NWWDA M-4-70					X	
NWWDA TM 5					X	
NWWDA TM 6					X	
NWWDA TM 7					X	
NWWDA TM 8					X	
NWWDA TM 10					X	
SSTD 12-94		X			X	
Standard TD-1-95		X			X	
UBC 7-1	X	X			X	
UBC 7-2	X	X			X	
UBC 7-3	X	X			X	
UBC 7-4	X	X			X	X
UBC 7-5	X	X			X	
UBC 8-1		X	X	X		
UBC 15-2	X				X	
UBC 24-2	X				X	
UBC 26-4		X				
ANSI/UL 1			X			
ANSI/UL 3			X			
ANSI/UL 5			X			
UL 6			X			
UL 9	X	X			X	
UL 10A	X	X			X	
UL 10B	X	X			X	
UL 10C	X	X			X	
ANSI/UL 17			X			
ANSI/UL 48		X	X			X
ANSI/UL 50		X	X	X		X
ANSI/UL 65			X			
ANSI/UL 94			X			
ANSI/UL 103		X	X	X	X	X
ANSI/UL 127		X		X	X	X
UL 181		X	X			

back to the [NES](#) home page

**NATIONAL  
EVALUATION  
SERVICE, INC.**

**NES**  
**Product Evaluation Listing**

**1.0 SUBJECT**

**2.0 DESCRIPTION**

**3.0 EVIDENCE SUBMITTED**

**4.0 CONDITIONS OF USE**

back to the [NES home page](#)

Table 1 – Continued

STANDARDS	Antioch, CA (San Francisco)	Coquitlam, BC (Vancouver)	Cortland, NY (Central NY)	Lachine, QC (Montreal)	Middleton, WI (Madison)	Mississauga, ON (Toronto)
ANSI/UL 207		X	X			X
ANSI/UL 209	X		X			
ANSI/UL 224		X	X			X
UL 263	X	X				
UL 296A			X			
ANSI/UL 299			X			
UL 305	X					
ANSI/UL 307A			X			
UL 307B						
ANSI/UL 343			X			
ANSI/UL 360			X			
UL 391		X		X	X	X
ANSI/UL 441			X			
ANSI/UL 448			X			
ANSI/UL 514A		X	X			X
ANSI/UL 514B		X	X			X
ANSI/UL 514C		X	X			X
ANSI/UL 525			X			
ANSI/UL 543			X			
UL 555	X	X				
UL 555C	X					
ANSI/UL 567			X			
UL 580		X			X	
ANSI/UL 626			X			
ANSI/UL 641		X	X			X
ANSI/UL 651		X	X			
ANSI/UL 651A		X	X			
ANSI/UL 710			X			
ANSI/UL 711			X			
ANSI/UL 726		X	X			X
ANSI/UL 727		X	X			X
ANSI/UL 729		X	X			X
ANSI/UL 730			X			
ANSI/UL 731		X	X			X
ANSI/UL 732		X	X			X
UL 733		X	X			
ANSI/UL 737		X		X	X	X
UL 752	X					
ANSI/UL 746C			X			X
UL 790	X				X	
UL 795			X		X	

**NATIONAL  
EVALUATION  
SERVICE, INC.**

**NES**  
**Product Evaluation Listing**

**1.0 SUBJECT**

**2.0 DESCRIPTION**

**3.0 EVIDENCE SUBMITTED**

**4.0 CONDITIONS OF USE**

**Table 1 – Continued**

<b>STANDARDS</b>	<b>Antioch, CA (San Francisco)</b>	<b>Coquitlam, BC (Vancouver)</b>	<b>Cortland, NY (Central NY)</b>	<b>Lachine, QC (Montreal)</b>	<b>Middleton, WI (Madison)</b>	<b>Mississauga, ON (Toronto)</b>
ANSI/UL 797		X	X			
ANSI/UL 884		X	X	X		X
UL 896			X			
ANSI/UL 900			X			
UL 907		X		X	X	X
ANSI/UL 910		X	X			
ANSI/UL 924		X	X			X
ANSI/UL 959						
ANSI/UL 972	X		X			
UL 997		X			X	
ANSI/UL 1012			X	X		
ANSI/UL 1081			X	X		
ANSI/UL 1097			X			
UL 1479	X	X				
ANSI/UL 1482		X		X	X	X
ANSI/UL 1563		X	X	X		X
UL 1567			X			
UL 1660			X			
ANSI/UL 1666			X			
UL 1685			X			
UL 1738			X			
UL 1777		X		X	X	X
ANSI/UL 1778		X	X	X		X
UL 1784		X			X	
UL 1795			X			
UL 1812		X				
ANSI/UL 1887			X			
UL 1897		X			X	
ANSI/UL 1950			X	X		
ANSI/UL 1995		X	X			X
UL 2079	X					
UL 2097			X		X	
UL 2218	X				X	
UL 2601-1			X			
UL 3101-1			X			
WMFL 08801	X					

back to the [NES](#) home page

# ICBO Evaluation Service, Inc. Certificate of Accreditation

This is to signify that

INTERTEK TESTING SERVICES NA LTD.  
211 SCHOOLHOUSE STREET  
COQUITLAM, BRITISH COLUMBIA V3K 4X9, CANADA

Testing Laboratory 212-12

has demonstrated compliance with the ICBO Evaluation Service, Inc., Acceptance Criteria for Laboratory Accreditation (encompassing the requirements of ISO/IEC Guide 25 and relevant requirements of the ISO 9000 series of standards), and has been accredited, commencing October 1, 2001, for the testing areas listed below with the applicable standards organizations and/or documents. See page 2 for the specific test methods for which the laboratory is accredited.

Fire testing under:

Physical/structural testing under:

Equipment testing under:

ANSI/UL, ASTM, NFPA, UBC, UL  
AAMA, ANSI, ANSI/UL, ASTM, CPSC 16CFR, SSTD, TDI, UL  
ANSI, ANSI/ASME, ANSI/ASSE, ANSI/BHMA, ANSI/NFPA, ANSI/UL, ASME, ASSE,  
ASTM, UL

*Patrick V. McCullen*

Patrick V. McCullen  
Manager, Field Services Group



*C. P. Ramani*

C. P. Ramani, P.E.  
Vice-President

This accreditation certificate supersedes any ICBO ES accreditation certificate bearing an earlier date. The certificate becomes invalid upon suspension, cancellation, revocation, or expiration of accreditation. See the ICBO ES *Index of Evaluation Reports* (printed version, or on the web at [www.icboes.org](http://www.icboes.org)) for current accreditation information, or contact ICBO ES directly at (562) 699-0543. 11/26/2001

# ICBO Evaluation Service, Inc. Certificate of Accreditation

INTERTEK TESTING SERVICES NA LTD.  
211 SCHOOLHOUSE STREET  
COQUITLAM, BRITISH COLUMBIA V3K 4X9, CANADA

Testing Laboratory 212-12  
*Commencing October 1, 2001*

Fire testing under ANSI/UL Standards 910, 1887; ASTM Standards E 84, E 119, E 152, E 162, E 163, E 814; NFPA Standards 251, 252, 256, 257, 701; UBC Standards 7-1, 7-2, 7-3, 7-4, 7-5, 8-1, 26-4; UL Standards 9, 10A, 10B, 10C, 263, 479, 2079 and 2218.

Physical/structural testing under AAMA Standard 501.1; ANSI Standards A151.1, Z97.1, Z124.1, Z124.2, Z124.3, Z124.6; ANSI/UL Standards 224, 514A, 514B, 514C, 651, 651A, 737, 797, 884, 1482; ASTM Standards B 117, B 306, B 819, C 578, D 143, D 198, D 638, D 905, D 906, D 1037, D 1761, D 2016, D 2395, D 2898, D 3161, D 4442, D 4444, D4761, 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 1886, F 476, F 588, F 842, G 23, G 26; CPSC 16 CFR Standard 1201; ICBO ES Acceptance Criteria AC12, AC39, AC 75, AC130; SSTD Standard 12-94; TDI Standard TD 1-95; UL Standards 181, 555, 580, 907, 924, 997, 1777, 1784, 1812 and 1897.

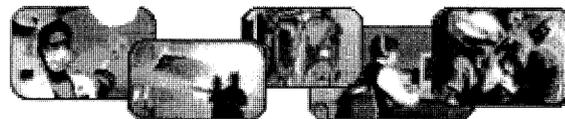
Equipment testing under ANSI Standards Z21.11.1, Z21.11.2, Z21.12, Z21.44, Z21.50, Z21.60, Z21.84, Z21.86, Z21.88; ANSI/ASME Standards A112.1.2, A112.18.1, A112.18.3, A112.19.2, A112.19.3, A112.19.6; ANSI/ASSE Standard 1014; ANSI/BHMA Standards A156.1, A156.2, A156.4, A156.24; ANSI/UL Standards 48, 50, 103, 127, 207, 641, 726, 727, 729, 731, 732, 924, 1563, 1778, 1995; ASME Standard A112.19.5; ASSE Standards 1016, 1025; ASTM Standard E 1509; UL Standards 391 and 773.

This accreditation certificate supersedes any ICBO ES accreditation certificate bearing an earlier date. The certificate becomes invalid upon suspension, cancellation, revocation, or expiration of accreditation. See the ICBO ES *Index of Evaluation Reports* (printed version, or on the web at [www.icboes.org](http://www.icboes.org)) for current accreditation information, or contact ICBO ES directly at (562) 699-0543. 11/26/2001



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

[www.osha.gov](http://www.osha.gov)



Search   [Advanced Search](#) | [A-Z Index](#)

[DSTM](#) > [OTPCA](#) > [NRTL](#) > Intertek Testing Services NA, Inc. (ITSNA)

## Intertek Testing Services NA, Inc. (ITSNA)

Status:	Recognized
Docket Number:	NRTL-1-89; NRTL-2-88
Main Address & Phone:	Intertek Testing Services NA, Inc. 3933 U.S. Route 11 Cortland, New York 13045 1-800-345-3851
Site 1 Name & Address:	Intertek Testing Services NA, Inc. 3933 U.S. Route 11 Cortland, New York 13045
Effective Date 1:	September 13, 1989
Site 2 Name & Address:	Intertek Testing Services NA, Inc. 1950 Evergreen Boulevard Duluth, Georgia 30096
Effective Date 2:	September 13, 1989
Site 3 Name & Address:	Intertek Testing Services NA, Inc. 1365 Adams Court Menlo Park, California 94025
Effective Date 3:	September 13, 1989
Site 4 Name & Address: (Former DS&G site recognized on June 16, 1989)	Intertek Testing Services NA, Inc. 70 Codman Hill Road Boxborough, Massachusetts 01719
Effective Date 4:	November 20, 1996
Site 5 Name & Address:	Intertek Testing Services NA Inc. 2200 Wymore Way Antioch, California 94509
Effective Date 5:	December 1, 1997
Site 6 Name & Address:	Intertek Testing Services NA Ltd. 211 Schoolhouse Street Coquitlam, British Columbia V3K 4X9 Canada

Effective Date 6:	December 1, 1997
Site 7 Name & Address:	Intertek Testing Services Hong Kong Ltd. 2/F., Garment Centre, 576 Castle Peak Road Kowloon, Hong Kong
Effective Date 7:	December 1, 1997
Site 8 Name & Address:	Intertek Testing Services Taiwan Ltd. 14/F Huei Fung Building, 27, Chung Shan North Road, Sec. 3 Taipei 10451, Taiwan
Effective Date 8:	December 8, 1997
Site 9 Name & Address:	Intertek Testing Services NA, Inc. 27611 LaPaz Road, Suite C Laguna Niguel, California 92677
Effective Date 9:	November 29, 2000
Site 10 Name & Address:	Intertek Testing Services NA, Inc. 8431 Murphy Drive Middleton, Wisconsin 53562
Effective Date 10:	November 29, 2000
Site 11 Name & Address:	Intertek Testing Services NA, Inc. 7250 Hudson Blvd., Suite 100 Oakdale, Minnesota 55128
Effective Date 11:	November 29, 2000
Site 12 Name & Address:	Intertek Testing Services NA, Inc. 40 Commerce Way, Unit B Totowa, New Jersey 07512
Effective Date 12:	November 29, 2000
Site 13 Name & Address:	Intertek Testing Services NA Sweden AB Box 1103, S-164 #22 Kista, Stockholm Sweden
Effective Date 13:	January 28, 2002
Last Federal Register Notice:	68: 579-83, January 6, 2003

## Programs:

2. Acceptance of testing data from independent organizations, other than NRTLs.
3. Acceptance of product evaluations from independent organizations, other than NRTLs.
4. Acceptance of witnessed testing data.

5. Acceptance of testing data from non-independent organizations.
6. Acceptance of evaluation data from non-independent organizations (requiring NRTL review prior to marketing).
8. Acceptance of product evaluations from organizations that function as part of the International Electrotechnical Commission Certification Body (IEC-CB) Scheme.
9. Acceptance of services other than testing or evaluation performed by subcontractors or agents.

## Product Standards:

ANSI A90.1	Safety Standard for Belt Manlifts
ANSI C37.013*	AC High-Voltage Generator Circuit Breakers Rated on a Symmetrical Current
ANSI C37.13*	Low Voltage AC Power Circuit Breakers Used in Enclosures
ANSI C37.14*	Low Voltage DC Power Circuit Breakers Used in Enclosures
ANSI C37.17*	Trip Devices for AC and General Purpose DC Low-Voltage Power Circuit Breakers
ANSI C37.18*	Enclosed Field Discharge Circuit Breakers for Rotating Electric Machinery
ANSI C37.20.1*	Metal-Enclosed Low Voltage Power Circuit Breaker Switchgear
ANSI C37.20.2*	Metal-Clad and Station-Type Cubicle Switchgear
ANSI C37.20.3*	Metal-Enclosed Interrupter Switchgear
ANSI C37.21	Control Switchboards
ANSI C37.29*	Low-Voltage AC Power Circuit Protectors Used in Enclosures
ANSI C37.38*	Gas-Insulated, Metal-Enclosed Disconnecting, Interrupter and Grounding Switches
ANSI C37.46*	Power Fuses and Fuse Disconnecting Switches
ANSI C37.50*	Low-Voltage AC Power Circuit Breakers Used in Enclosures -- Test Procedures
ANSI C37.51*	Metal-Enclosed Low-Voltage AC Power Circuit-Breaker Switchgear Assemblies -- Conformance Test Procedures
ANSI C37.55*	Metal-Clad Switchgear Assemblies -- Conformance Test Procedures
ANSI C37.57*	Metal-Enclosed Interrupter Switchgear Assemblies -- Conformance Testing
ANSI C37.90*	Relays and Relay Systems Associated with Electric Power Apparatus
ANSI C37.121*	Unit Substations -- Requirements
ANSI C57.12.00*	Distribution, Power and Regulating Transformers -- General Requirements
ANSI C57.13*	Instrument Transformers -- Requirements
ANSI C62.11*	Metal-Oxide Surge Arresters for AC Power Circuits
ASTM E2010	Standard Test for Positive Pressure Fire Tests of Window Assemblies
ASTM E2074	Standard Method for Fire Tests of Door Assemblies
ANSI K61.1	Storage and Handling of Anhydrous Ammonia (CGA G-2.1)

ANSI/ISA S12.12**	Electrical Equipment for Use in Class I, Division 2, Hazardous (Classified) Locations
ANSI S82.02.01	Electrical and Electronic Test, Measuring, Control and Related Equipment: General Requirements
ANSI Z21.1	Household Cooking Gas Appliances
ANSI Z21.5.1	Gas Clothes Dryers - Volume I - Type 1 Clothes Dryers
ANSI Z21.5.2	Gas Clothes Dryers - Volume II - Type 2 Clothes Dryers
ANSI Z21.10.1	Gas Water Heaters - Volume I - Storage Water Heaters with Input Ratings of 75,000 Btu per Hour or less
ANSI Z21.10.3	Gas Water Heaters - Volume III - Storage, Circulating and Instantaneous Water Heaters with Input Ratings above 75,000 Btu per Hour or less
ANSI Z21.11.2	Gas-Fired Room Heaters - Volume II - Unvented Room Heaters
ANSI Z21.12	Draft Hoods
ANSI Z21.13	Gas-Fired Low-Pressure Steam and Hot Water Heating Boilers
ANSI Z21.15	Manually Operated Gas Valves
ANSI Z21.17	Domestic Gas Conversion Burners
ANSI Z21.18	Gas Appliance Pressure Regulators
ANSI Z21.20	Automatic Gas Ignition Systems and Components
ANSI Z21.21	Automatic Valves for Gas Appliances
ANSI Z21.23	Gas Appliance Thermostats
ANSI Z21.24	Metal Connectors for Gas Appliances
ANSI Z21.35	Gas Filters on Appliances
ANSI Z21.40.1	Gas-Fired Absorption Summer Air Conditioning Appliances
ANSI Z21.47	Gas-Fired Central Furnaces
ANSI Z21.50	Vented Decorative Gas Appliances
ANSI Z21.57	Recreational Vehicle Cooking Gas Appliances
ANSI Z21.56	Gas-Fired Pool Heaters
ANSI Z21.58	Outdoor Cooking Gas Appliances
ANSI Z21.60	Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces
ANSI Z21.72	Portable Camp Cook Stoves for Use With Propane Gas
ANSI Z83.4	Direct Gas-Fired Make-Up Air Heaters
ANSI Z83.6	Gas-Fired Infrared Heaters
ANSI Z83.7	Gas-Fired Construction Heater
ANSI Z83.8	Gas Unit Heaters

ANSI Z83.11	Gas Food Service Equipment - Ranges and Unit Broilers
ANSI Z83.18	Direct Gas-Fired Industrial Air Heaters
UL 1	Flexible Metal Conduit
UL 3	Flexible Nonmetallic Tubing for Electric Wiring
UL 4	Armored Cable
UL 5	Surface Metal Electrical Raceways and Fittings
UL 5A	Nonmetallic Surface Raceways and Fittings
UL 6	Rigid Metal Conduit
UL 8	Foam Fire Extinguishers
UL 9	Fire Tests of Window Assemblies
UL 10B	Fire Tests of Door Assemblies
UL 10C	Positive Pressure Fire Tests of Door Assemblies
ANSI 12.12.01	Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations
UL 13	Power-Limited Circuit Cables
UL 17	Vent or Chimney Connector Dampers for Oil-Fired Appliances
UL 20	General-Use Snap Switches
UL 21	LP-Gas Hose
UL 22	Amusement and Gaming Machines
UL 25	Meters for Flammable and Combustible Liquids and LP Gas
UL 44	Rubber-Insulated Wires and Cables
UL 45	Portable Electric Tools
UL 48	Electric Signs
UL 50	Electrical Cabinets and Boxes
UL 62	Flexible Cord and Fixture Wire
UL 65	Electric Wired Cabinets
UL 67	Electric Panelboards
UL 69	Electric-Fence Controllers
UL 73	Electric Motor-Operated Appliances
UL 79	Power-Operated Pumps for Petroleum Product Dispensing Systems
UL 82	Electric Gardening Appliances
UL 83	Thermoplastic-Insulated Wires and Cables

UL 87	Power-Operated Dispensing Devices for Petroleum Products
UL 94	Tests for Flammability of Plastic Materials for Parts in Devices and Appliances
UL 96	Lightning Protection Components
UL 98	Enclosed and Dead-Front Switches
UL 104	Elevator Door Locking Devices and Contacts
UL 122	Photographic Equipment
UL 123	Oxy-Fuel Gas Torches
UL 130	Electric Heating Pads
UL 141	Garment Finishing Appliances
UL 150	Antenna Rotators
UL 153	Portable Electric Lamps
UL 154	Carbon-Dioxide Fire Extinguisher
UL 174	Household Electric Storage - Tank Water Heaters
UL 180	Liquid-Level Indicating Gauges and Tank-Filling Signals for Petroleum Products
UL 181	Factory Made Air Ducts and Connectors
UL 183	Manufactured Wiring Systems
UL 187	X-Ray Equipment
UL 197	Commercial Electric Cooking Appliances
UL 198M	Mine-Duty Fuses
UL 201	Standard for Garage Equipment
UL 207	Refrigerant Containing Components and Accessories, Nonelectrical
UL 209	Cellular Metal Floor Raceways and Fittings
UL 217	Single and Multiple Station Smoke Detectors
UL 218	Fire Pump Controllers
UL 224	Extruded insulating Tubing
UL 228	Door Closers-Holders, With or Without Integral Smoke Detectors
UL 231	Electrical Power Outlets
UL 234	Low Voltage Lighting Fixtures for Use in Recreational Vehicles
UL 244A	Solid-State Controls for Appliances
UL 248-1	Low-Voltage Fuses -- Part 1: General Requirements
UL 248-2	Low-Voltage Fuses -- Part 2: Class C Fuses
UL 248-3	Low-Voltage Fuses -- Part 3: Class CA and CB Fuses

UL 248-4	Low-Voltage Fuses -- Part 4: Class CC Fuses
UL 248-5	Low-Voltage Fuses -- Part 5: Class G Fuses
UL 248-6	Low-Voltage Fuses -- Part 6: Class H Non-Renewable Fuses
UL 248-7	Low-Voltage Fuses -- Part 7: Class H Renewable Fuses
UL 248-8	Low-Voltage Fuses -- Part 8: Class J Fuses
UL 248-9	Low-Voltage Fuses -- Part 9: Class K Fuses
UL 248-10	Low-Voltage Fuses -- Part 10: Class L Fuses
UL 248-11	Low-Voltage Fuses -- Part 11: Plug Fuses
UL 248-12	Low-Voltage Fuses -- Part 12: Class R Fuses
UL 248-13	Low-Voltage Fuses -- Part 13: Semiconductor Fuses
UL 248-14	Low-Voltage Fuses -- Part 14: Supplemental Fuses
UL 248-15	Low-Voltage Fuses -- Part 15: Class T Fuses
UL 248-16	Low-Voltage Fuses -- Part 16: Test Limiters
UL 250	Household Refrigerators and Freezers
UL 252A	Compressed Gas Regulator Accessories
UL 291	Automated Teller Systems
UL 294	Access Control System Units
UL 296	Oil Burners
UL 296A	Waste Oil-Burning Air-Heating Appliances
UL 298	Portable Electric Hand Lamps
UL 299	Dry Chemical Fire Extinguisher
UL 300	Fire Testing of Fire Extinguishing Systems for Protection of Restaurant Cooking Areas
UL 307A	Liquid Fuel-Burning Heating Appliances for Manufactured Homes and Recreational Vehicles
UL 307B	Gas Burning Heating Appliances for Manufactured Homes and Recreational Vehicles
UL 310	Electrical Quick-Connect Terminals
UL 325	Door, Drapery, Gate, Louver, and Window Operators and Systems
UL 330	Hose and Hose Assemblies for Dispensing Gasoline
UL 343	Pumps for Oil-Burning Appliances
UL 347	High-Voltage Industrial Control Equipment
UL 353	Limit Controls
UL 355	Cord Reels

UL 360	Liquid-Tight Flexible Steel Conduit
UL 363	Knife Switches
UL 365	Police Station Connected Burglar Alarm Units and Systems
UL 372	Primary Safety Controls for Gas- and Oil-Fired Appliances
UL 378	Draft Equipment
UL 391	Solid-Fuel and Combination-Fuel Control and Supplementary Furnaces
UL 399	Drinking-Water Coolers
UL 407	Manifolds for Compressed Gases
UL 412	Refrigeration Unit Coolers
UL 414	Meter Sockets
UL 416	Refrigerated Medical Equipment
UL 427	Refrigerating Units
UL 429	Electrically Operated Valves
UL 430	Electric Waste Disposers
UL 443	Steel Auxiliary Tanks for Oil-Burner Fuel
UL 444	Communications Cables
UL 448	Pumps for Fire-Protection Service
UL 464	Audible Signal Appliances
UL 466	Electric Scales
UL 467	Electrial Grounding and Bonding Equipment
UL 469	Musical Instruments and Accessories
UL 471	Commercial Refrigerators and Freezers
UL 474	Dehumidifiers
UL 482	Portable Sun/Heat Lamps
UL 484	Room Air Conditioners
UL 486A	Wire Connectors and Soldering Lugs for Use With Copper Conductors
UL 486B	Wire Connectors for Use with Aluminum and/or Copper Conductors
UL 486C	Splicing Wire Connectors
UL 486E	Equipment Wiring Terminals for Use with Aluminum and/or Cooper Conductors
UL 489	Molded-Case Circuit Breakers and Circuit-Breaker Enclosures
UL 493	Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables
UL 496	Edison Base Lampholders

UL 497	Protectors for Paired Conductor Communications Circuits
UL 497A	Secondary Protectors for Communication Circuits
UL 497B	Protectors for Data Communication and Fire Alarm Circuits
UL 498	Electrical Attachment Plugs and Receptacles
UL 499	Electric Heating Appliances
UL 506	Specialty Transformers
UL 507	Electric Fans
UL 508	Electric Industrial Control Equipment
UL 508C	Power Conversion Equipment
UL 510	Insulating Tape
UL 512	Fuseholders
UL 514A	Metallic Outlet Boxes, Electrical
UL 514B	Fittings for Conduit and Outlet Boxes
UL 514C	Nonmetallic Outlet Boxes, Flush-Device Boxes and Covers
UL 525	Flame Arresters for Use on Vents of Storage Tanks for Petroleum Oil and Gasoline
UL 541	Refrigerated Vending Machines
UL 542	Lampholders, Starters, and Starter Holders for Fluorescent Lamps
UL 544	Electric Medical and Dental Equipment
UL 551	Transformer-Type Arc-Welding Machines
UL 558	Industrial Trucks, Internal Combustion Engine-Powered
UL 561	Floor-Finishing Machines
UL 563	Ice Makers
UL 567	Pipe Connectors for Flammable and Combustible Liquids and LP Gas
UL 574	Electric Oil Heaters
UL 583	Electric-Battery-Powered Industrial Trucks
UL 588	Christmas-Tree and Decorative-Lighting Outfits
UL 603	Power Supplies for Use with Burglar-Alarm Systems
UL 606	Linings and Screens for Use with Burglar-Alarm Systems
UL 609	Local Burglar-Alarm Units and Systems
UL 621	Ice Cream Makers
UL 626	2 1/2 Gallon Stored-Pressure, Water-Type Fire Extinguisher
UL 632	Electrically Actuated Transmitters

UL 634	Connectors and Switches for Use with Burglar-Alarm Systems
UL 635	Insulating Bushings
UL 639	Intrusion-Detection Units
UL 641	Low-Temperature Venting Systems, Type L
UL 644	Container Assemblies for LP-Gas
UL 651	Schedule 40 and 80 PVC Conduit
UL 651A	Type EB and A Rigid PVC Conduit and HDPE Conduit
UL 651B	Continuous Length HDPE Conduit
UL 664	Commercial Dry-Cleaning Machines (Type IV)
UL 668	Hose Valves For Fire Protection Service
UL 674**	Electric Motors and Generators for Use in Hazardous Locations, Class I, Groups C and D, Class II, Groups E, F, and G
UL 676	Underwater Lighting Fixtures
UL 696	Electric Toys
UL 697	Toy Transformers
UL 698**	Industrial Control Equipment for Use in Hazardous (Classified) Locations
UL 705	Power Ventilators
UL 710	Grease Extractors for Exhaust Ducts
UL 711	Rating and Fire Testing of Fire Extinguishers
UL 719	Nonmetallic Sheathes Cables
UL 726	Oil-Fired Boiler Assemblies
UL 727	Oil-Fired Central Furnaces
UL 729	Oil-Fired Floor Furnaces
UL 730	Oil-Fired Wall Furnaces
UL 731	Oil-Fired Unit Heaters
UL 732	Oil-Fired Water Heaters
UL 733	Oil-Fired Air Heaters and Direct-Fired Heaters
UL 745-1	Portable Electric Tools
UL 745-2-1	Particular Requirements of Drills
UL 745-2-2	Particular Requirements for Screwdrivers and Impact Wrenches
UL 745-2-3	Particular Requirements for Grinders, Polishers, and Disk-Type Sanders
UL 745-2-4	Particular Requirements for Sanders

UL 745-2-5	Particular Requirements for Circular Saws and Circular Knives
UL 745-2-6	Particular Requirements for Hammers
UL 745-2-8	Particular Requirements for Shears and Nibblers
UL 745-2-9	Particular Requirements for Tappers
UL 745-2-11	Particular Requirements for Reciprocating Saws
UL 745-2-12	Particular Requirements for Concrete Vibrators
UL 745-2-14	Particular Requirements for Planers
UL 745-2-17	Particular Requirements for Routers and Trimmers
UL 745-2-30	Particular Requirements for Staplers
UL 745-2-31	Particular Requirements for Diamond Core Drills
UL 745-2-32	Particular Requirements for Magnetic Drill Presses
UL 745-2-33	Particular Requirements for Portable Bandsaws
UL 745-2-34	Particular Requirements for Strapping Tools
UL 745-2-35	Particular Requirements for Drain Cleaners
UL 745-2-36	Particular Requirements for Hand Motor Tools
UL 745-2-37	Particular Requirements for Plate Jointers
UL 746C	Polymeric Materials -- Use in Electrical Equipment Evaluations
UL 749	Household Electric Dishwashers
UL 751	Vending Machines
UL 756	Coin and Currency Changers and Actuators
UL 763	Motor-Operated Commercial Food Preparing Machines
UL 773	Plug-In, Locking Type Photocontrols for Use with Area Lighting
UL 773A	Nonindustrial Photoelectric Switches for Lighting Control
UL 775	Graphic Arts Equipment
UL 778	Motor-Operated Water Pumps
UL 781**	Portable Electric Lighting Units for Use in Hazardous (Classified) Locations
UL 783**	Electric Flashlights and Lanterns for Use in Hazardous (Classified) Locations
UL 791	Residential Incinerators
UL 795	Commercial-Industrial Gas-Heating Equipment
UL 796	Electrical Printed-Wiring Boards
UL 797	Electrical Metallic Tubing
UL 810	Capacitors

UL 813	Commercial Audio Equipment
UL 814	Gas-Tube-Sign and Ignition Cable
UL 817	Cord Sets and Power-Supply Cords
UL 823**	Electric Heaters for Use in Hazardous (Classified) Locations
UL 826	Household Electric Clocks
UL 827	Central-Stations for Watchman, Fire-Alarm, and Supervisory Services
UL 834	Heating, Water Supply, and Power Boilers - Electric
UL 842	Valves for Flammable Liquids
UL 844**	Electric Lighting Fixtures for Use in Hazardous (Classified) Locations
UL 845	Motor Control Centers
UL 854	Service-Entrance Cables
UL 857	Electric Busways and Associated Fittings
UL 858	Household Electric Ranges
UL 858A	Safety-Related Solid-State Controls for Household Electric Ranges
UL 859	Personal Grooming Appliances
UL 863	Time-Indicating and -- Recording Appliances
UL 864	Control Units for Fire-Protective Signaling Systems
UL 867	Electrostatic Air Cleaners
UL 869A	Standard for Service Equipment
UL 870	Wireways, Auxiliary Gutters, and Associated Fittings
UL 873	Electrical Temperature-Indicating and Regulating Equipment
UL 875	Electric Dry Bath Heaters
UL 877**	Circuit Breakers and Circuit-Breaker Enclosures for Use in Hazardous (Classified) Locations
UL 879	Electrode Receptacles for Gas-Tube Signs
UL 884	Underfloor Raceways and Fittings
UL 886**	Electical Outlet Boxes and Fittings for Use in Hazardous (Classified) Locations
UL 891	Dead-Front Electrical Switchboards
UL 894**	Switches for Use in Hazardous (Classified) Locations
UL 913	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous Locations
UL 916	Energy Management Equipment
UL 917	Clock-Operated Switches

UL 921	Commercial Electric Dishwashers
UL 923	Microwave Cooking Appliances
UL 924	Emergency Lighting and Power Equipment
UL 935	Fluorescent-Lamp Ballasts
UL 943	Ground-Fault Circuit Interrupters
UL 961	Hobby and Sports Equipment
UL 964	Electrically Heated Bedding
UL 969	Marking and Labeling Systems
UL 977	Fuse Power-Circuit Devices
UL 982	Motor-Operated Household Food Preparing Machines
UL 983	Surveillance Camera Units
UL 984	Hermetic Refrigerant Motor-Compressors
UL 987	Stationary and Fixed Electric Tools
UL 991	Safety-Related Controls Employing Solid-State Devices
UL 998	Humidifiers
UL 1002**	Electrically Operated Valves for Use in Hazardous Locations, Class I, Groups A, B, C, and D, and Class II, Groups E, F, and G
UL 1004	Electric Motors
UL 1005	Electric Flatirons
UL 1008	Automatic Transfer Switches
UL 1012	Power Supplies
UL 1017	Electric Vacuum Cleaner Machines and Blower Cleaners
UL 1018	Electric Aquarium Equipment
UL 1020	Thermal Cutoffs for Use in Electrical Appliances and Components
UL 1022	Line Isolated Monitors
UL 1023	Household Burglar-Alarm System Units
UL 1026	Household Electric Cooking and Food-Serving Appliances
UL 1028	Electric Hair-Clipping and -Shaving Appliances
UL 1029	High-Intensity Discharge Lamp Ballasts
UL 1030	Sheathed Heating Elements
UL 1037	Antitheft Alarms and Devices
UL 1042	Electric Baseboard Heating Equipment

UL 1047	Isolated Power Systems Equipment
UL 1054	Special-Use Switches
UL 1059	Electrical Terminal Blocks
UL 1063	Machine-Tool Wires and Cables
UL 1066	Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures
UL 1069	Hospital Signaling and Nurse-Call System
UL 1072	Medium Voltage Cables
UL 1075	Gas Fired Cooling Appliances for Recreational Vehicles
UL 1076	Proprietary Burglar Alarm Units and Systems
UL 1077	Supplementary Protectors for Use in Electrical Equipment
UL 1081	Electric Swimming Pool Pumps, Filters, and Chlorinators
UL 1082	Household Electric Coffee Makers and Brewing-Type Appliances
UL 1083	Household Electric Skillets and Frying-Type Appliances
UL 1086	Household Trash Compactors
UL 1090	Electric Snow Movers
UL 1097	Double Insulation Systems for Use in Electrical Equipment
UL 1203**	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations
UL 1206	Electrical Commercial Clothes-Washing Equipment
UL 1207**	Sewage Pumps for Use in Hazardous (Classified) Locations
UL 1230	Amateur Movie Lights
UL 1236	Electric Battery Chargers
UL 1238	Control Equipment for Use with Flammable Liquid Dispensing Devices
UL 1240	Electric Commercial Clothes-Drying Equipment
UL 1244	Electrical and Electronic Measuring and Testing Equipment
UL 1247	Diesel Engines for Driving Centrifugal Fire Pumps
UL 1248	Engine-Generator Assemblies for Use in Recreational Vehicles
UL 1261	Electric Water Heaters for Pools and Tubs
UL 1262	Laboratory Equipment
UL 1277	Electrical Power and Control Tray Cables with Optional Optical-Fiber Members
UL 1278	Movable and Wall- or Ceiling-Hung Electric Room Heaters
UL 1283	Electromagnetic-Interference Filter

UL 1286	Office furnishings
UL 1310	Direct Plug-In Transformer Units
UL 1313	Nonmetallic Safety Cans for Petroleum Products
UL 1316	Glass-Fiber-Reinforced Plastic Underground Storage Tanks for Petroleum Products
UL 1323	Scaffold Hoists
UL 1363	Relocatable Power Taps
UL 1411	Transformers and Motor Transformers for Use in Audio-, Radio-, and Television-Type Appliances
UL 1413	High-Voltage Components for Television-Type Appliances
UL 1414	Across-the-Line, Antenna-Coupling, and Line-By-Pass Capacitors for Radio- and Television-Type Appliances
UL 1416	Overcurrent and Overtemperature Protectors for Radio- and Television-Type Appliances
UL 1417	Special Fuses for Radio- and Television-Type Appliances
UL 1418	Implosion-Protected Cathode-Ray Tubes for Television-Type Appliances
UL 1419	Professional Video and Audio Equipment
UL 1424	Cables for Power-Limited Fire-Protective-Signaling Circuits
UL 1431	Personal Hygiene and Health Care Appliances
UL 1433	Control Centers for Changing Message Type Electric Signs
UL 1436	Outlet Circuit Testers and Similar Indicating Devices
UL 1437	Electrical Analog Instruments -- Panel Board Types
UL 1445	Electric Water Bed Heaters
UL 1446	Systems of Insulating Materials -- General
UL 1447	Electric Lawn Mowers
UL 1448	Electric Hedge Trimmers
UL 1449	Transient Voltage Surge Suppressors
UL 1450	Motor-Operated Air Compressors, Vacuum Pumps and Painting Equipment
UL 1453	Electric Booster and Commercial Storage Tank Water Heaters
UL 1459	Telephone Equipment
UL 1472	Solid-State Dimming Controls
UL 1480	Speakers for Fire Protective Signaling Systems
UL 1481	Power Supplies for Fire Protective Signaling Systems
UL 1482	Solid Fuel Room Type Heaters

UL 1484	Residential Gas Detectors
UL 1492	Audio-Video Products and Accessories
UL 1557	Electrically Isolated Semiconductor Devices
UL 1558	Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear
UL 1559	Insect-Control Equipment, Electrocuting Type
UL 1561	Large General Purpose Transformers
UL 1562	Transformers, Distribution, Dry-Type -- Over 600 Volts
UL 1563	Electric Hot Tubs, Spas, and Associated Equipment
UL 1564	Industrial Battery Chargers
UL 1565	Wire Positioning Devices
UL 1567	Receptacles and Switches for Use With Aluminum Wire
UL 1569	Metal-Clad Cables
UL 1573	Stage and Studio Lighting Units
UL 1574	Track Lighting Systems
UL 1577	Optical Isolators
UL 1581	Reference Standard for Electrical Wires, Cables, and Flexible Cords
UL 1585	Class 2 and Class 3 Transformers
UL 1594	Sewing and Cutting Machines
UL 1598	Luminaries
UL 1604**	Electrical Equipment for Use in Class I and II, Division 2, and Class III Hazardous (Classified) Locations
UL 1610	Central-Station Burglar-Alarm Units
UL 1635	Digital Alarm Communicator System Units
UL 1638	Visual Signaling Appliances
UL 1640	Portable Power Distribution Units
UL 1647	Motor-Operated Massage and Exercise Machines
UL 1651	Optical Fiber Cable
UL 1660	Liquid-Tight Flexible Nonmetallic Conduit
UL 1662	Electric Chain Saws
UL 1664	Immersion-Detection Circuit-Interrupters
UL 1666	Standard Test for Flame Propagation Height of Electrical and Optical Fiber Cables Installed Vertically in Shafts
UL 1673	Electric Space Heating Cables

UL 1676	Discharge Path Resistors
UL 1690	Data-Processing Cables
UL 1693	Electric Radiant Heating Panels and Heating Panel Sets
UL 1694	Tests for Flammability of Small Polymeric Component Materials
UL 1703	Flat Plate Photovoltaic Modules and Panels
UL 1711	Amplifiers for Fire Protective Signaling Systems
UL 1727	Commercial Electric Personal Grooming Appliances
UL 1738	Venting Systems for Gas-Burning Appliances, Categories II, III, and IV
UL 1740	Industrial Robots and Robotic Equipment
UL 1773	Termination Boxes
UL 1776	High-Pressure Cleaning Machines
UL 1778	Uninterruptible Power Supply Equipment
UL 1786	Nightlights
UL 1795	Hydromassage Bathtubs
UL 1812	Ducted Heat Recovery Ventilators
UL 1815	Nonducted Heat Recovery Ventilators
UL 1821	Thermoplastic Sprinkler Pipe and Fittings for Fire Protection Service
UL 1838	Low Voltage Landscape Lighting Systems
UL 1863	Communication Circuit Accessories
UL 1876	Isolating Signal and Feedback Transformers for Use in Electronic Equipment
UL 1889	Commercial Filters for Cooking Oil
UL 1917	Solid-State Fan Speed Controls
UL 1950	Information Technology Equipment Including Electrical Business Equipment
UL 1951	Electric Plumbing Accessories
UL 1963	Refrigerant Recovery/Recycling Equipment
UL 1971	Signaling Devices for the Hearing Impaired
UL 1977	Component Connectors for Use in Data, Signal, Control and Power Applications
UL 1981	Central Station Automation Systems
UL 1993	Self-Ballasted Lamps and Lamp Adapters
UL 1994	Low-Level Path Marking and Lighting Systems
UL 1995	Heating and Cooling Equipment
UL 1996	Duct Heaters

UL 2021	Fixed and Location-Dedicated Electric Room Heaters
UL 2024	Optical Fiber Cable Raceway
UL 2034	Single and Multiple Station Carbon Monoxide Detectors
UL 2044	Commercial Closed Circuit Television Equipment
UL 2083	Halon 1301 Recovery/Recycling Equipment
UL 2096	Commercial/Industrial Gas and/or Gas Fired Heating Assemblies with Emission Reduction Equipment
UL 2097	Double Insulation Systems for Use in Electronic Equipment
UL 2106	Field Erected Boiler Assemblies
UL 2111	Overheating Protection for Motors
UL 2157	Electric Clothes Washing Machines and Extractors
UL 2158	Electric Clothes Dryers
UL 2161	Neon Transformers and Power Supplies
UL 2250	Instrumentation Tray Cable
UL 2601-1	Medical Electrical Equipment, Part 1: General Requirements for Safety
UL 3044	Surveillance Closed Circuit Television Equipment
UL 3111-1	Electrical Measuring and Test Equipment; Part 1: General Requirements
FM 3600**	Electrical Equipment for Use in Hazardous (Classified) Locations, General Requirements
FM 3610**	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1 Hazardous (Classified) Locations
FM 3611**	Electrical Equipment for Use in Class I, Division 2; Class II, Division 2; and Class III, Division 1 and 2 Hazardous Locations
FM 3615	Explosionproof Electrical Equipment, General Requirements
UL 6500	Audio/Visual and Musical Instrument Apparatus for Household, Commercial, and Similar General Use
UL 8730-2-4	Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Thermal Motor Protectors for Motor Compressors or Hermetic and Semi-Hermetic Type
UL 60730-1A	Automatic Electrical Controls for Household and Similar Use; Part 1: General Requirements
UL 60730-2-3	Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Thermal Protectors for Ballasts for Tubular Fluorescent Lamps
UL 60730-2-7	Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Timers and Time Switches
UL 60730-2-16A	Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Automatic Electrical Water Level Controls

UL 60950	Information Technology Equipment
UL 61010A-1	Electrical Equipment For Laboratory Use; Part 1: General Requirements
Restrictions/Limitations on Recognition Granted:	
* These standards are approved for equipment or materials intended for use in commercial and industrial power system applications. These standards are not approved for equipment or materials intended for use in installations that are excluded from the provisions of Subpart S in 29 CFR 1910 by Section 1910.302(a)(2).	
** Testing and certification of products under this test standard is limited to Class I locations. See also special limitations for hazardous location testing.	
Special limitations/conditions:	
ITSNA may perform safety testing for hazardous location products only at the specific ITSNA sites that OSHA has recognized, and that have been pre-qualified by the ITSNA Chief Engineer. In addition, all safety test reports for hazardous location products must undergo a documented review and approval at the Cortland testing facility by a test engineer qualified in hazardous location safety testing, prior to ITSNA's initial or continued authorization of the certifications covered by these reports. The above limitations apply solely to ITSNA's operations as an NRTL.	
ITSNA may not test and certify any products for a client that is a manufacturer or vendor, and that is either owned in excess of 2% by ITSLtd, or affiliated organizationally with ITSNA, including Compliance Design.	
Note: Testing and certification of gas operated equipment is limited to equipment for use with "liquefied petroleum gas" ("LPG" or "LP-Gas")	
Note: Test standards with the designation "FM" had the designation "FMRC" when originally recognized for a particular NRTL.	

Notification of Site Address Changes: Site 2 - 5/9/2000  
 Site 4 - 7/8/1998  
 Site 5 - 2/12/1999  
 Site 11 - 6/4/2001

| [Introduction](#) | [NRTLs](#) | [FAQs](#) | [Application](#) |  
 | [Fees](#) | [Regulation](#) | [Directive](#) | [Presentation](#) | [More](#) |

Revision Date: 17 January 2003

[▲ Back to Top](#)

[www.osha.gov](http://www.osha.gov)

[www.dol.gov](http://www.dol.gov)

[Contact Us](#) | [Freedom of Information Act](#) | [Customer Survey](#)  
[Privacy and Security Statement](#) | [Disclaimers](#)

Occupational Safety & Health Administration  
 200 Constitution Avenue, NW  
 Washington, DC 20210

# International Accreditation Service, Inc. CERTIFICATE OF ACCREDITATION

*This is to signify that*

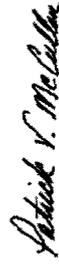
## INTERTEK TESTING SERVICES NA LTD.

1500 BRIGANTINE DRIVE  
COQUITLAM, BRITISH COLUMBIA V3K 7C1  
CANADA

Testing Laboratory TL-274  
(Revised December 12, 2005)

has demonstrated compliance with ISO/IEC Standard 17025, *General criteria for the competence of testing and calibration laboratories*, and has been accredited, commencing September 1, 2005, 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](http://www.iasonline.org) for current accreditation information, or contact IAS directly at (562) 699-0541. Print Date: 12/12/2005

# International Accreditation Service, Inc.

## SCOPE OF ACCREDITATION

Testing Laboratory TL-274  
(Revised December 12, 2005)

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

Lawrence Gibson, P.E.  
General Manager - Building Products NA  
(604) 520-3321

FIELDS OF TESTING	ACCREDITED TEST METHODS
Equipment	ANSI Standards Z21.11.1, Z21.11.2, Z21.12, Z21.44, Z21.50, Z21.60, Z21.84, Z21.86 and Z21.88; ANSI/ASME Standards A112.1.2, A112.18.1, A112.18.3, A112.19.2, A112.19.3 and A112.19.6; ANSI/ASSE Standard 1014; ANSI/BHMA Standards A156.1, A156.2, A156.4 and A156.24; ANSI/UL Standards 48, 50, 103, 127, 207, 641, 726, 727, 729, 731, 732, 924, 1563, 1778 and 1995; ASME Standard A112.19.5; ASSE Standards 1016 and 1025; ASTM Standard E 1509; UL Standards 391 and 773
Fire	ANSI/UL Standards 910 and 1887; ASTM Standards E 84, E 119, E 152, E 162, E 163 and E 814; NFPA Standards 251, 252, 256, 257 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

September 1, 2005  
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](http://www.iasonline.org) for current accreditation information, or contact IAS directly at (562) 699-0541. Print Date: 12/12/2005

# International Accreditation Service, Inc.

## SCOPE OF ACCREDITATION

Testing Laboratory TL-274  
(Revised December 12, 2005)

FIELDS OF TESTING	ACCREDITED TEST METHODS
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; ASTM Standards B 306, B 819, C 578, C 794, D 143, D 198, D 638, 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; CPSC 16 CFR Standard 1201; ICC-ES Acceptance Criteria AC04, AC07, AC11, AC12, AC13, AC14, AC16, AC24, AC39, AC47, AC 48, AC59, AC 75, AC86, AC90, AC109, AC115, AC116, AC122, AC124, AC130, AC148 (except Section 4.2), AC151, AC174, AC188, AC207, AC219, AC235, AC244, AC273, AC294 and AC300; SSTD Standard 12-94; TDI Standard TD 1-95; UL Standards 181, 555, 580, 907, 924, 997, 1777, 1784, 1812 and 1897; ICC-ES Guideline EG275; Roofing Application Standard TAS 103-95

September 1, 2005  
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](http://www.iasonline.org) for current accreditation information, or contact IAS directly at (562) 699-0541. Print Date: 12/12/2005