



INTERNATIONAL
ACCREDITATION
SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest that

CSA GROUP TESTING & CERTIFICATION INC.

1707-94 STREET
EDMONTON, ALBERTA T6N 1E6, CANADA

Testing Laboratory TL-267

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date May 28, 2025



International Accreditation Service
Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

CSA GROUP TESTING & CERTIFICATION INC.

www.csagroup.org

Contact Name John Sena

Contact Phone +1-216-524-4990

Accredited to ISO/IEC 17025:2017

Effective Date May 28, 2025

Electrical	
ANSI/ISA S12.3	Safety standard for electrical and electronic test, measuring, controlling and related equipment
ANSI/ISA S82.01	Safety standard for electrical and electronic test, measuring, controlling, and related equipment
CAN/CSA-C22.2 NO. 60529	Degrees of protection provided by enclosures (IP code) (Except IP1X, IP2X, IP3X, IP4X (cl. 13.2), IPX1 (cl. 14.2.1), IPX2 (cl. 14.2.2, IPX9 (cl. 14.29))
CSA C22.2 NO. 0.1	General Requirements for Double-Insulated Equipment
CSA C22.2 NO. 0.12	Wiring Space and Wire Bending Space in Enclosures for Equipment Rated 750 V or Less
CSA C22.2 NO. 0.17	Evaluation of Properties of Polymeric Materials
CSA C22.2 NO. 0.3	Test methods for electrical wires and cables
CSA C22.2 NO. 0.4	Bonding of electrical equipment
CSA C22.2 NO. 0.5	Threaded conduit entries
CSA C22.2 NO. 3	Electrical features of fuel-burning equipment
CSA C22.2 NO. 9	General requirements for luminaires
CSA C22.2 NO. 10	Electric Floor Surfacing and Cleaning Machines
CSA C22.2 NO. 13	Transformers for oil- or gas-burner ignition equipment
CSA C22.2 NO. 14	Industrial control equipment
CSA C22.2 NO. 18	Outlet boxes, conduit boxes, & fittings
CSA C22.2 NO. 21	Cord sets and power-supply cords
CSA C22.2 NO. 22	Electrical Equipment for Flammable and Combustible Fuel Dispensers
CSA C22.2 NO. 25	Enclosures for Use in Class II Groups E, F, and G Hazardous Locations
CSA C22.2 NO. 26	Construction and test of wireways, auxiliary gutters and associated fittings

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CSA C22.2 NO. 40	Cutout, junction and pull boxes
CSA C22.2 NO. 41	Grounding and bonding equipment (tri-national standard, with NMX-J-590-ANCE and UL 467)
CSA C22.2 NO. 42	General use receptacles, attachment plugs, and similar wiring devices
CSA C22.2 NO. 46	Electric air heaters
CSA C22.2 NO. 47	Air-cooled transformers (dry type)
CSA C22.2 NO. 66	Specialty Transformers; Industrial Products
CSA C22.2 NO. 66.1	Low voltage transformers – part 1: general requirements (bi-national standard, with UL 5085-1)
CSA C22.2 NO. 66.2	Low Voltage Transformers – Part 2: General Purpose Transformers
CSA C22.2 NO. 66.3	Low Voltage Transformers – Part 3: Class 2 and Class 3 Transformers
CSA C22.2 NO. 68	Motor-operated appliances (household and commercial)
CSA C22.2 NO. 74	Equipment for use with electric discharge lamps
CSA C22.2 NO. 76	Splitters
CSA C22.2 NO. 77	Motors with inherent overheating protection
CSA C22.2 NO. 85	Rigid PVC boxes and fittings
CSA C22.2 NO. 88	Construction and test of industrial heating equipment
CSA C22.2 NO. 94	Special Purpose Enclosures Industrial Products
CSA C22.2 NO. 94.1	Enclosures for electrical equipment, non-environmental conditions
CSA C22.2 NO. 94.2	Enclosures for electrical equipment, environmental conditions (Note binational with UL 0)
CSA C22.2 NO. 100	Motors and generators
CSA C22.2 NO. 102	Brooders and incubators
CSA C22.2 NO. 107.1	General use power supplies
CSA C22.2 NO. 107.2	Battery chargers
CSA C22.2 NO. 113	Fans and ventilators
CSA C22.2 NO. 126.1	Metal cable tray systems (bi-national standard, with NEMA VE 1-2009)
CSA C22.2 NO. 126.2	Nonmetallic cable tray systems (bi-national standard, with UL 568)
CSA C22.2 NO. 142	Process control equipment

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CSA C22.2 NO. 144	Ground fault circuit interrupters
CSA C22.2 NO. 155	Electric duct heaters
CSA C22.2 NO. 158	Terminal blocks
CSA C22.2 NO. 177	Clock-operated switches
CSA C22.2 NO. 178.2	Requirements for manually operated generator transfer panels
CSA C22.2 NO. 182.1	Plugs, receptacles, and cable connectors of the pin and sleeve type (bi-national standard, with UL 1682)
CSA C22.2 NO. 182.2	Industrial locking type, special use attachment plugs, receptacles and connectors
CSA C22.2 NO. 182.3	Special use attachment plugs, receptacles and connectors
CSA C22.2 NO. 182.4	Plugs, receptacles, and connectors for communication systems
CSA C22.2 NO. 191	Engine heaters and battery warmers
CSA C22.2 NO. 203	Modular wiring systems for office furniture
CSA C22.2 NO. 203.1	Manufactured wiring systems
CSA C22.2 NO. 205	Signal equipment
CSA C22.2 NO. 207	Portable and stationary electric signs and displays
CSA C22.2 NO. 223	Power supplies with extra-low-voltage Class 2 outputs
CSA C22.2 NO. 236	Heating and cooling equipment
CSA C22.2 NO. 243	Vacuum cleaners, blower cleaners, and household floor finishing machines (bi-national standard with UL 1017)
CSA C22.2 NO. 250.7	Extra-low-voltage landscape lighting systems
CSA C22.2 NO. 60950-1	Information technology equipment- Safety – Part 1: General requirements, with the following exceptions (section 2.3.1 Clauses M.2. Europe - IST1 and IST-2; M.3.1. North America; M.3.3.; M.4.; M.3.2; 2.3.1a; 2.2.1b; 2.3.4; 2.3.5.; 2.10.3.9.; 4.3.13.2.; 4.7.3.1; 4.7.3.2.; 5.1.8.2; 5.1.8.3.; 6.1.2.1.; 6.2.2.1.; 6.2.2.2.; 6.3.; 6.4. (Annex NAC); 7.2.; 7.3.; Annex A2.7; Annex A3 (CI 4.7.3.2); Annex A3 (CI 4.6.2); Annex NAD.3; Annex NAD.4; Annex B6 and Annex B4
CSA C22.2 NO. 61010-1	Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements
CSA C22.2 NO. 62368-1	Audio/video, information and communication technology equipment – part 1: safety requirements (bi-national standard, with UL 62368-1)
FM 3810	Electrical equipment for measurement, control and laboratory use
IEC 60529	Degrees of protection provided by enclosures (IP code) (Except IP1X, IP2X, IP3X, IP4X (cl. 13.2), IPX1 (cl. 14.2.1), IPX2 (cl. 14.2.2, IPX9 (cl. 14.29))

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IEC 60950-1	Information technology equipment- Safety – Part 1: General requirements, with the following exceptions (section 2.3.1 Clauses M.2. Europe - IST1 and IST-2; M.3.1. North America; M.3.3.; M.4.; M.3.2; 2.3.; 2.2.1b TNV-2& TNV-3; 2.3.4; 2.3.5.; 2.10.3.9.; 4.3.13.2.; 4.7.3.1; 4.7.3.2.; 5.1.8.2; 5.1.8.3.; 6.1.2.1.; 6.2.2.1.; 6.2.2.2.; 6.3.; 6.4. (Annex NAC); 7.2.; 7.3.; Annex A2.7; (CI 4.7.3.2); Annex A3 (CI 4.6.2); Annex NAD.4; Annex B6 and Annex B4
NFPA 79	Electrical standard for industrial machinery
UL 48	Standard for electric signs
UL 50	Enclosures for Electrical Equipment, Non-Environmental Considerations
UL 50E	Enclosures for Electrical Equipment, Environmental Considerations
UL 65	Standard for wired cabinets
UL 73	Standard for motor-operated appliances
UL 94	Standard for tests for flammability of plastic materials for parts in devices and appliances
UL 183	Standard for manufactured wiring systems
UL 234	Standard for low voltage lighting fixtures for use in recreational vehicles
UL 464	Audible signaling devices for fire alarm and signaling devices, including accessories
UL 467	Grounding and bonding equipment
UL 498	Standard for attachment plugs and receptacles
UL 506	Standard for specialty transformers
UL 507	Standard for electric fans
UL 508	Industrial control equipment
UL 514A	Metallic outlet boxes
UL 514B	Conduit, tubing, and cable fittings
UL 514C	Standard for nonmetallic outlet boxes, flush-device boxes, and covers
UL 561	Standard for floor-finishing machines
UL 705	Standard for power ventilators
UL 778	Standard for motor-operated water pumps
UL 817	Standard for cord sets and power-supply cords
UL 869A	Reference standard for service equipment

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UL 870	Standard for wireways, auxiliary gutters, and associated fittings
UL 884	Standard for underfloor raceways and fittings
UL 916	Standard for energy management equipment
UL 917	Standard for clock-operated switches
UL 924	Standard for emergency lighting and power equipment
UL 935	Standard for fluorescent-lamp ballasts
UL 987	Standard for stationary and fixed electric tools
UL 1004	Standard for safety electric motors
UL 1012	Standard for power units other than class 2
UL 1017	Vacuum cleaners, blower cleaners, and household floor finishing machines
UL 1029	Standard for high-intensity-discharge lamp ballasts
UL 1059	Standard for terminal blocks
UL 1236	Standard for battery chargers for charging engine-starter batteries
UL 1238	Standard for control equipment for use with flammable liquid dispensing devices
UL 1286	Standard for office furnishings
UL 1310	Standard for class 2 power units
UL 1363	Standard for relocatable power taps
UL 1450	Standard for motor-operated air compressors, vacuum pumps, and painting equipment
UL 1561	Standard for dry-type general purpose and power transformers
UL 1564	Standard for industrial battery chargers
UL 1585	Standard for safety class 2 and class 3 transformers
UL 1638	Visible signaling devices for fire alarm and signaling systems, including accessories
UL 1647	Standard for motor-operated massage and exercise machines
UL 1659	Standard for attachment plug blades for use in cord sets and power-supply cords
UL 1773	Standard for termination boxes
UL 2021	Standard for fixed and location-dedicated electric room heaters
UL 60950-1	Information technology equipment – safety – part 1: general requirements

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Hazardous Locations	
ANSI/UL 60079-0	Explosive atmospheres – part 0: equipment – general requirements
ANSI/UL 60079-1	Electrical apparatus for explosive gas atmospheres – part 1 flameproof enclosures “d” (clauses 15-1-2 and 15-1-3-1)
ANSI/UL 60079-25	Explosive atmospheres – Part 25: Intrinsically safe electrical systems
CSA B376	Portable Containers for Gasoline and Other Petroleum (exceptions: cl. 5.3.2.1; 7.8.3; 7.8.4)
CAN C60079-13	Explosive atmospheres - Part 13: Equipment protection by pressurized room “p” and artificially ventilated room “v”
CAN/CSA C22.2 No. 60079-0	Explosive atmospheres – part 0: equipment – general requirements
CAN/CSA C22.2 No. 60079-1	Electrical apparatus for explosive gas atmospheres – part 1 flameproof enclosures “d” (clauses 15-1-2 and 15-1-3-1)
CAN/CSA C22.2 No. 60079-2	Electrical apparatus for explosive gas atmospheres – part 2: pressurized enclosures “p”
CAN/CSA C22.2 No. 60079-5	Electrical apparatus for explosive gas atmospheres – part 5: powder filling “q”
CAN/CSA C22.2 No. 60079-6	Electrical apparatus for explosive gas atmospheres – part 6: oil-immersion “o”
CAN/CSA C22.2 No. 60079-7	Electrical apparatus for explosive gas atmospheres – part 7: increased safety “e”
CAN/CSA C22.2 No. 60079-11	Electrical apparatus for explosive gas atmospheres – part 11: intrinsic safety “i”
CAN/CSA C22.2 No. 60079-15	Explosive atmospheres – part 15: equipment protection by type of protection “n”
CAN/CSA C22.2 No. 60079-29-1	Explosive atmospheres — Part 29-1: Gas detectors — Performance requirements of detectors for flammable gases
CAN/CSA C22.2 No. 60079-31	Equipment dust ignition protection by enclosure “t”
CAN/CSA C22.2 No. 60079-40	Explosive atmospheres – Part 40: Requirements for process sealing between flammable process fluids and electrical systems
CSA C22.2 NO. 30	Explosion-proof enclosures for use in class I hazardous locations
CSA C22.2 NO. 137	Electric luminaires for use in hazardous locations
CSA C22.2 NO. 145	Electric motors and generators for use in hazardous (classified) locations (tri-national standard, with NMX-J-652-ANCE and UL 674)

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CSA C22.2 NO. 157	Intrinsically safe and non-incendive equipment for use in hazardous locations
CSA C22.2 NO. 159	Attachment plugs, receptacles, and similar wiring devices for use in hazardous locations: class I, groups A, B, C, and D; class II, group G, in coal or coke dust, and in gaseous mines
CSA C22.2 NO. 174	Cables and cable glands for use in hazardous locations
CSA C22.2 NO. 213	Nonincendive electrical equipment for use in class I and II, division 2 and class III, divisions 1 and 2 hazardous (classified) locations (bi-national standard with ANSI/ISA-12.12.01-2016
CSA C22.2 No. 60079-18	Explosive atmospheres – Part 18: Equipment protection by encapsulation “m”
CSA C22.2 NO. 60079-26	Equipment with Equipment Protection Level (EPL) Ga
EN 50104	Electrical Equipment for the Detection and Measurement of Oxygen – Performance Requirement and Test Methods, (exceptions: Cl. 5.4.12 and Cl. 5.4.18)
EN 60079-0	Explosive atmospheres – part 0: equipment – general requirements
EN 60079-1	Electrical apparatus for explosive gas atmospheres – part 1 flameproof enclosures “d” (clauses 15-1-2 and 15-1-3-1)
EN 60079-2	Electrical apparatus for explosive gas atmospheres – part 2: pressurized enclosures “p”
EN 60079-5	Electrical apparatus for explosive gas atmospheres – part 5: powder filling “q”
EN 60079-6	Electrical apparatus for explosive gas atmospheres – part 6: oil-immersion “o”
EN 60079-7	Electrical apparatus for explosive gas atmospheres – part 7: increased safety “e”
EN 60079-11	Electrical apparatus for explosive gas atmospheres – part 11: intrinsic safety “i”
EN 60079-13	Explosive atmospheres - Part 13: Equipment protection by pressurized room “p” and artificially ventilated room “v”
EN 60079-15	Explosive atmospheres – part 15: equipment protection by type of protection “n”
EN 60079-18	Explosive atmospheres – Part 18: Equipment protection by encapsulation “m”
EN 60079-25	Explosive atmospheres – Part 25: Intrinsically safe electrical systems
EN 60079-26	Equipment with Equipment Protection Level (EPL) Ga
EN 60079-29-1	Explosive atmospheres — Part 29-1: Gas detectors — Performance requirements of detectors for flammable gases
EN 60079-31	Equipment dust ignition protection by enclosure “t”

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FM 3600	Electrical equipment for use in hazardous (classified) locations – general requirements
FM 3610	Intrinsically safe apparatus and associated apparatus for use in class 1, 2 and 3, division 1, hazardous (classified) locations
FM 3611	Nonincendive electrical equipment for use in class I, and II, division 2, and class III, divisions 1 and 2, hazardous (classified) locations
FM 3615	Explosion proof electrical equipment general requirements
IEC 60079-0	Explosive atmospheres – part 0: equipment – general requirements
IEC 60079-1	Electrical apparatus for explosive gas atmospheres – part 1 flameproof enclosures “d” (clauses 15-1-2 and 15-1-3-1)
IEC 60079-2	Electrical apparatus for explosive gas atmospheres – part 2: pressurized enclosures “p”
IEC 60079-5	Electrical apparatus for explosive gas atmospheres – part 5: powder filling “q”
IEC 60079-6	Electrical apparatus for explosive gas atmospheres – part 6: oil-immersion “o”
IEC 60079-7	Electrical apparatus for explosive gas atmospheres – part 7: increased safety “e”
IEC 60079-11	Electrical apparatus for explosive gas atmospheres – part 11: intrinsic safety “i”
IEC 60079-13	Equipment protection by pressurized room “p” and artificially ventilated room “v”
IEC 60079-15	Explosive atmospheres – part 15: equipment protection by type of protection “n”
IEC 60079-18	Explosive atmospheres – Part 18: Equipment protection by encapsulation “m”
IEC 60079-26	Equipment with Equipment Protection Level (EPL) Ga
IEC 60079-29-1	Explosive atmospheres — Part 29-1: Gas detectors — Performance requirements of detectors for flammable gases
IEC 60079-31	Equipment dust ignition protection by enclosure “t”
IEC/TS 60079-40	Explosive atmospheres – Part 40: Requirements for process sealing between flammable process fluids and electrical systems
UL 674	Electric motors and generators for use in hazardous (classified) locations
UL 698	Standard for industrial control panels relating to hazardous (classified) locations
UL 781	Standard for safety portable electric lighting units for use in hazardous (classified) locations
UL 783	Standard for electric flashlights and lanterns for use in hazardous (classified) locations
UL 823	Standard for electric heaters for use in hazardous (classified) locations

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UL 844	Standard for luminaires for use in hazardous (classified) locations
UL 886	Standard for safety outlet boxes and fittings for use in hazardous (classified) locations
UL 913	Standard for intrinsically safe apparatus and associated apparatus for use in class I, II, III, division 1, hazardous (classified) locations
UL 1002	Standard for safety electrically operated valves for use in hazardous (classified) locations
UL 1010	Standard for receptacle-plug combinations for use in hazardous (classified) locations
UL 1203	Standard for explosion-proof and dust-ignition-proof electrical equipment for use in hazardous (classified) locations
UL 1207	Standard for safety sewage pumps for use in hazardous (classified) locations
UL 1604	Electrical equipment for use in class I and II, division 2, and class III hazardous (classified) locations
UL 60079-2	Electrical apparatus for explosive gas atmospheres – part 2: pressurized enclosures "p"
UL 60079-5	Electrical apparatus for explosive gas atmospheres – part 5: powder filling "q"
UL 60079-6	Electrical apparatus for explosive gas atmospheres – part 6: oil-immersion "o"
UL 60079-7	Electrical apparatus for explosive gas atmospheres – part 7: increased safety "e"
UL 60079-11	Electrical apparatus for explosive gas atmospheres – part 11: intrinsic safety "i"
UL 60079-13	Explosive atmospheres - Part 13: Equipment protection by pressurized room
UL 60079-15	Explosive atmospheres – part 15: equipment protection by type of protection "n"
UL 60079-18	Explosive atmospheres – Part 18: Equipment protection by encapsulation "m"
UL 60079-26	Equipment with Equipment Protection Level (EPL) Ga
UL 60079-29-1	Explosive atmospheres — Part 29-1: Gas detectors — Performance requirements of detectors for flammable gases
UL 60079-31	Equipment dust ignition protection by enclosure "t"
Heating/Cooling	
CSA C22.2 NO. 24	Temperature-indicating and -regulating equipment
CSA C22.2 NO. 72	Heater elements
CSA C22.2 NO. 120	Refrigeration equipment
UL 499	Standard for electric heating appliances

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UL 1278	Standard for movable and wall- or ceiling-hung electric room heaters
UL 1995	Heating and cooling equipment

CSA- Canadian Standards Association

FM- FM Global Group

UL-Underwriters Laboratories

