



CERTIFICATE OF ACCREDITATION

This is to attest that

CSA AMERICA TESTING & CERTIFICATION LLC

2860 GUILDER DRIVE
PLANO, TEXAS 75074

Testing Laboratory TL-562

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 on the following page(s).

This certificate is valid up to November 1, 2020.



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



A handwritten signature in black ink that reads "Raj Nathan".

Raj Nathan
President



SCOPE OF ACCREDITATION

IAS Accreditation Number	TL-562
Company Name	CSA America Testing & Certification LLC
Address	2860 Guilder Drive Plano, Texas 75074
Contact Name	Benjamin Barker, Manager, Accreditations
Telephone	+ (416) 747-4013
Effective Date of Scope	February 3, 2020
Accreditation Standard	ISO/IEC 17025:2017

Hazardous Locations

CSA C22.2 No. 0	General requirements - Canadian electrical code, part II
CSA C22.2 No. 0.17	Evaluation of Properties of Polymeric Materials (Exception: 7)
CSA C22.2 No. 0.4	Bonding of Electrical Equipment
CSA C22.2 No. 14	Industrial control equipment (Exception: 6.6, 6.10.3, 6.11.7, 6.11.8, 6.12, 6.13, 6.14)
CSA C22.2 No. 25	Enclosures for Use in Class II Groups E, F and G Hazardous Locations
CSA C22.2 No. 30	Explosion-Proof Enclosures for Use in Class I Hazardous Locations (Exceptions: 6.12)
CSA C22.2 No. 94	Special Purpose Enclosures (Exception: 6.3, 6.5, 6.6, 6.7, 6.10, 6.12)
CSA C22.2 No. 94.1	Enclosures for electrical equipment, non-environmental considerations
CSA C22.2 No. 94.2	Enclosures for electrical equipment, environmental considerations (Exceptions: 8.5, 8.7, 8.8, 8.9)
CSA C22.2 No. 139	Electrically Operated Valves (Exception: 7.3, 7.4, 7.5, 7.8, 7.9, 7.14, 7.15, 7.21)
CSA C22.2 No. 142	Process Control Equipment (Exception: 6.14, 6.7, 6.11)
CSA C22.2 No. 145	Electric motors and generators for use in hazardous (classified) locations (Exceptions: 32, 33, 45, 46.2, 48)
CSA C22.2 No. 157	Intrinsically safe and non-incendive equipment for use in hazardous locations (Exception: 6.10)



SCOPE OF ACCREDITATION

CSA C22.2 No. 158	Terminal blocks (Exception: 6.10)
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 (Exception: 6.5, 6.6, 6.8)
CSA C22.2 No. 213	Non-incendive electrical equipment for use in Class I and II, Division 2 and Class III, Divisions 1 and 2 hazardous (classified) locations
CSA C22.2 No. 60079-0	Explosive atmospheres - Part 0: Equipment - General requirements (Exception: 26.5.3, 26.10, 26.13, 26.14)
ANSI/ISA 60079-0 (12.00.01)	Explosive atmospheres - Part 0: Equipment - General Requirements (Exception: 26.5.3, 26.10, 26.13, 26.14)
IEC 60079-0	Explosive atmospheres - Part 0: Equipment - General requirements (Exception: 26.5.3, 26.10, 26.13, 26.14)
UL 60079-0	Explosive atmospheres - Part 0: Equipment - General requirements (Exception: 26.5.3, 26.10, 26.13, 26.14)
CSA C22.2 NO 60079-1	Explosive atmospheres - part 1: equipment protection by flameproof enclosures "d" (Exception: 10.9.3)
ANSI/ISA 60079-1 (12.22.01)	Explosive atmospheres - part 1: equipment protection by flameproof enclosures "d" (Exception: 10.9.3)
IEC 60079-1	Explosive atmospheres - part 1: equipment protection by flameproof enclosures "d" (Exception: 10.9.3)
UL 60079-1	Explosive atmospheres - part 1: equipment protection by flameproof enclosures "d" (Exception: 10.9.3)
CSA C22.2 No. 60079-2	Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p" (Exception Annex A)
ANSI/ISA 60079-2 (12.04.01)	Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p" (Exception Annex A)
IEC 60079-2	Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p" (Exception Annex A)
UL 60079-2	Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p" (Exception Annex A)
CSA C22.2 No. 60079-5	Explosive atmospheres – part 5: equipment protection by powder filling "q" (Exception: 5.1.3)
ANSI/ISA 60079-5 (12.00.04)	Explosive atmospheres – part 5: equipment protection by powder filling "q" (Exception: 5.1.3)
IEC 60079-5	Explosive atmospheres – part 5: equipment protection by powder filling "q" (Exception: 5.1.3)



SCOPE OF ACCREDITATION

UL 60079-5	Explosive atmospheres – part 5: equipment protection by powder filling "q" (Exception: 5.1.3)
CSA C22.2 No. 60079-6	Explosive atmospheres - part 6: equipment protection by oil immersion "o"
ANSI/ISA 60079-6 (12.00.05)	Explosive atmospheres - part 6: equipment protection by oil immersion "o"
IEC 60079-6	Explosive atmospheres - part 6: equipment protection by oil immersion "o"
UL 60079-6	Explosive atmospheres - part 6: equipment protection by oil immersion "o"
CSA C22.2 No. 60079-7	Explosive atmospheres - Part 7: Equipment protection by increased safety "e" (Exception: 6.2,, 6.3.2.3, 6.3.3, 6.3.4 6.6.3, Annex A and H)
ANSI/ISA 60079-7 (12.16.01)	Explosive atmospheres - part 7: equipment protection by increased safety "e" (Exception: 6.2, 6.3.2.3, 6.3.6, 6.3.4, 6.6.3, Annex A and H)
IEC 60079-7	Explosive atmospheres - part 7: equipment protection by increased safety "e" (Exception: 6.2, 6.3.2.3, 6.3.6, 6.3.4, 6.6.3, Annex A and H)
UL 60079-7	Explosive atmospheres - part 7: equipment protection by increased safety "e" (Exception: 6.2, 6.3.2.3, 6.3.6, 6.3.4, 6.6.3, Annex A and H)
CSA C22.2 No. 60079-11	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i" (Exception: 10.8)
ANSI/ISA 60079-11 (12.02.01)	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i" (Exception: 10.8)
IEC 60079-11	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i" (Exception: 10.8)
UL 60079-11	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i" (Exception: 10.8)
CSA C22.2 No. 60079-15	Explosive atmospheres — Part 15: Equipment protection by type of protection "n"
ANSI/ISA 60079-15 (12.12.02)	Explosive atmospheres - part 15: equipment protection by type of protection "n" (Exception: 22.11)
IEC 60079-15	Explosive atmospheres - part 15: equipment protection by type of protection "n" (Exception: 22.11)
UL 60079-15	Explosive atmospheres - part 15: equipment protection by type of protection "n" (Exception: 22.11)



SCOPE OF ACCREDITATION

CSA C22.2 No. 60079-18	Explosive atmospheres - Part 18: Equipment protection by encapsulation "m"
ANSI/ISA 60079-18 (12.23.01)	Explosive atmospheres - Part 18: Equipment protection by encapsulation "m"
IEC 60079-18	Explosive atmospheres - Part 18: Equipment protection by encapsulation "m"
UL 60079-18	Explosive atmospheres - Part 18: Equipment protection by encapsulation "m"
ANSI/ISA 60079-25 (12.02.05)	Explosive atmospheres - part 25: Intrinsically safe electrical systems
IEC 60079-25	Explosive atmospheres - part 25: Intrinsically safe electrical systems
ANSI/ISA 60079-26 (12.00.03)	Explosive atmospheres - part 26: equipment for use in class I, zone 0 hazardous (classified) locations
IEC 60079-26	Explosive atmospheres - part 26: equipment for use in class I, zone 0 hazardous (classified) locations
ANSI/ISA 60079-27 (12.02.04)	Fieldbus intrinsically safe concept (FISCO) and Fieldbus non-incendive concept (FNICO)
CSA C22.2 No. 60079-30-1	Explosive atmospheres – Part 30-1: Electrical resistance trace heating – general and testing requirements (Exception: 5.1.5, 5.1.7)
CSA C22.2 No. 60079-31	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
ANSI/ISA 60079-31 (12.10.03)	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-31	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
CSA C22.2 No. 60529	Degrees of protection provided by enclosures
ANSI/IEC 60529	Degree of protection provided by enclosures
ANSI/ISA 61010-1	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General requirements (Exception: 12.2, 12.4, 12.5, 14.8)
CSA C22.2 NO. 61010-1	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General requirements (Exception: 12.2, 12.4, 12.5, 14.8)
IEC 61010-1	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General requirements (Exception: 12.2, 12.4, 12.5, 14.8)



SCOPE OF ACCREDITATION

UL 61010-1	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General requirements (Exception: 12.2, 12.4, 12.5, 14.8) IEC 61241-0 Electrical apparatus for use in the presence of combustible dust - part 0: general requirements
ANSI/ISA 61241-0 (12.10.02)	Electrical apparatus for use in zone 20, zone 21 and zone 22 hazardous (classified) locations – general requirements (Exception: 23.4.7.5, 23.4.7.7)
ANSI/ISA 61241-1 (12.10.03)	Electrical apparatus for use in zone 20, zone 21 and zone 22 hazardous (classified) locations – protection by enclosures "tD"
IEC 61241-1	Electrical apparatus for use in the presence of combustible dust - part 1: protection by enclosures "tD"
ANSI/ISA 61241-2 (12.10.06)	Electrical apparatus for use in zone 21 and zone 22 hazardous (classified) locations - protection by pressurization "pD"
IEC 61241-4	Electrical apparatus for use in the presence of combustible dust - part 4: type of protection "pD"
CSA C22.2 No. 61241-4	Electrical apparatus for use in the presence of combustible dust - part 4: type of protection "pD"
ANSI/ISA 61241-11 (12.10.04)	Electrical apparatus for use in zone 20, zone 21 and zone 22 hazardous (classified) locations – protection by intrinsic safety "iD" (Exception: 10.9)
IEC 61241-11	Electrical apparatus for use in the presence of combustible dust - part 11: protection by intrinsic safety 'iD'
ANSI/ISA 61241-18 (12.10.07)	Electrical apparatus for use in zone 20, zone 21 and zone 22 hazardous (classified) locations – protection by encapsulation "mD"
IEC 61241-18	Electrical apparatus for use in the presence of combustible dust - part 18: protection by encapsulation 'mD'
ANSI/ISA 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 (Exception: 14.2, 14.4)
UL 121201	Nonincendive electrical equipment for use in class I and II, division 2 and class III, divisions 1 and 2 hazardous (classified) locations
ANSI/ISA 12.27.01	Requirements for process sealing between electrical systems and flammable or combustible process fluids (Exception: 5.2)



SCOPE OF ACCREDITATION

FMRC 3600	Electrical Equipment for Use in Hazardous (Classified) Locations General Requirements
FMRC 3610	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1 Hazardous (Classified) Locations
FMRC 3611	Electrical Equipment for Use in Class I, Division 2; Class II, Division 2; and Class III, Division 1 and 2 Hazardous Locations
FMRC 3615	Explosion proof Electrical Equipment, General Requirements
FMRC 3616	Dust-Ignition proof Electrical Equipment General Requirements
FMRC 3620	Purged and Pressurized Electrical Equipment for Hazardous (Classified) Locations
UL 429	Electrically operated valves (Exception: 25, 26, 27, 28, 29, 30, 31, 32, 33, 35, 40, 41, 44, 46, 47, 54)
UL 508	Standard for Industrial Control Equipment (Exception: 47, 52, 52A, 55, 57A, 57B, 58, 59, 61C)
UL 508A	Standard for Industrial Control Panels
UL 674	Electric motors and generators for use in hazardous (classified) locations (Exception: 32, 33, 45, 46.2, 48)
UL 698A	Standard for Industrial Control Panels Relating to Hazardous (Classified) Locations
UL 823	Standard for Electric Heaters For Use in Hazardous (Classified) Locations (Exception: 22.4.4, 31.5, 32.2, 32.3, 32.4, 32.5, 33, 50.3, 50.4)
UL 844	Standard for luminaires for use in hazardous (classified) locations (Exception: 25.22, 29.5, 31, 33, 35.2, 35.3, 35.4, 49, 66)
UL 913	Standard for intrinsically safe apparatus and associated apparatus for use in class I, II, III, division 1, hazardous (classified) locations
UL 916	Standard for Energy Management Equipment (Exception: 48, 56)
UL 1203	Standard for explosion-proof and dust-ignition-proof electrical equipment for use in hazardous (classified) locations (Exception: 27, 33, 34)



SCOPE OF ACCREDITATION

UL 1604

Electrical Equipment for Use in Class I and II, Division 2, and Class III Hazardous (Classified) Locations (Exception: 10, 11, 14.2, 14.3, 15)



SCOPE OF ACCREDITATION