

PORTÉE D'ACCRÉDITATION

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Laboratoire accrédité n° 138
(Est conforme aux exigences de CAN-P-4E (ISO/IEC 17025:2005))

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CLIENTÈLE : Services offerts à tous les clients

DOMAINE(S) DES ESSAIS : Acoustiques et Vibrationnel, Électrique et Électronique,
Mécanique et Physique

ÉMIS CE : 2010-09-15

VALABLE JUSQU'AU : 2013-12-07

ÉLASTOMÈRES, PROTECTEURS ET AUTRES ENROBAGES

Peintures, vernis, encres, enduits et produits connexes :

(Peintures et enduits protecteurs, Couleur et aspect, et Performance des peintures appliquées)

ASTM B117 Standard Practice for Operating of Salt Spray (Fog)
Apparatus

MACHINERIE

Autres :

(Aéronautique)

RTCA/DO - 160 Environmental Conditions and Test Procedures for Airborne Equipment
Seulement pour : les sections 4 (sauf 4.6.3), 5, 6, 7 (sauf 7.3.3), 8, 10 (sauf cat S), 14 et 24

(Équipements divers)

ASTM D999 Standard Method for Vibration Testing of Shipping Containers
Sauf pour : Method A2

PRODUITS DE CONSOMMATION ET D'AFFAIRES

Meubles et articles de consommation :

Équipements de sport

9415-370 CAN/BNQ Protège couds pour joueurs et joueuses de hockey sur glace et de ringuette
Seulement pour : Sections 7.2, 7.3, 8.1 et 8.2

PRODUITS ÉLECTRIQUES ET ÉLECTRONIQUES

Équipement médical :

(Essais de performance)

BNQ 6641-120 Lits médicaux à commandes électriques et à commandes manuelles
Seulement pour : les sections 6.7.4, 6.7.5, 6.9.2, 6.9.3, 6.10.1.4, 6.10.2.2, 6.10.3.2, 6.11.2, 6.11.3, 6.13.2, 6.16 & 7

Produits électriques et électroniques en tous genres

(Essais de compatibilité électromagnétique)

47CFR15 Code of Federal Regulations. Federal Communications Commission. Radio Frequency Devices. Unintentional Radiators
Subpart B
ANSI C63.4 (2003) Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the

	Range of 9 kHz to 40 GHz Seulement pour : jusqu'a 10 GHz
ANSI/IEEE C37.90 (Section 8)	IEEE Standard for Relays and Relay Systems Associated with Electric Power Apparatus
AS/NZS CISPR 22	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement Seulement pour : jusqu'a 1 GHz
CAN/CSA C108.4M	Limits and Methods of Measurement of Radio Interference Characteristics of Vehicles, Motor Boats and Spark-Ignited Engine-Driven Devices
CEI 60255-5	Electrical relays - Part 5 : Insulation coordination for measuring relays and protection equipment - Requirements and tests
CEI/IEC 60255-22-1 (2005)	Electrical disturbance tests for measuring relays and protection equipment Part 1 : 1 MHz burst disturbance tests.
CEI/IEC 60255-22-4 (2002)	Electrical relays - Part 22-4 : Electrical disturbance tests for measuring relays and fast transient/burst immunity test
CISPR 11 group 1 EN55011 group 1	Industrial, scientific and medical (ISM) radio-frequency equipment - Radio disturbance characteristics - Limits and methods of measurement
CISPR 12	Vehicle, boats, and internal combustion engine driven devices - Radio disturbance characteristics - Limits and methods of measurement for the protection of receivers except those installed in the vehicle/boat/device itself or in adjacent vehicles/boats/devices
CISPR 22 (1997) EN55022 (1998) KN 22	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement
Directive 2004/104/EC	Commission Directive 2004/104/EC of 14 October 2004 adapting to technical progress Council Directive 72/245/EEC relating to radio interference (electromagnetic compatibility) of vehicles and amending Directive 70/156/EEC on the approximation of the laws of the Member States relating to the type-approval of motor vehicles and their trailer.
Directive 95/54/EC	Commission Directive 95/54/EC of 31 October 1995 adapting to technical progress Council Directive 72/245/EEC on the approximation of the laws of the Member States relating to the suppression of the radio interference produced by spark-ignition engines fitted to motor vehicles and amending Directive 70/156/EEC on the approximation of the laws of the Member States relating to the type-approval of motor vehicles and their trailers
Directive 97/24/EC	Directive 97/24/EC of the European Parliament and the Council of June 17, 1997 on certain components and characteristics of two or three-wheel vehicles (chapter 8)
EN 55024 KN 24	Information technology equipment - Immunity characteristics - Limits and methods of measurement

EN 60601-1-2 (2001)	Medical electrical equipment - Part 1-2 : General requirements for safety - Collateral standard : Electromagnetic compatibility - Requirements and tests. Sauf pour : RF Immunity 1 - 2.5 GHz
EN 61000-3-2	Electromagnetic compatibility (EMC) - Limits - Limits for harmonic current emissions (equipment input current up to and including 16A per phase)
EN 61000-3-3	Electromagnetic compatibility (EMC) - Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <16A per phase and not subject to conditional connection
EN 61000-4-11	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests
IEC 61000-4-11	
KN 61000-4-11	
EN 61000-4-2	Electromagnetic compatibility (EMC)- Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test
IEC 61000-4-2	
KN 61000-4-2	
EN 61000-4-3 (1996) A1(1998)	Electromagnetic compatibility (EMC) - Part 4-3 : Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test. Seulement jusqu'a 1 GHz
IEC 61000-4-3 (1995) A1(1998)	
KN 61000-4-3	
EN 61000-4-4	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test
IEC 61000-4-4	
KN 61000-4-4	
EN 61000-4-5 (1995) A1(2001)	Electromagnetic Compatibility (EMC) - Part 4-5: Testing and Measurement Techniques - Surge Immunity Test
IEC 61000-4-5 (1995) A1(2000)	
KN 61000-4-5	
EN 61000-4-6 (1996) A1(2001)	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
IEC 61000-4-6 (1996) A1(2000)	
KN 6100-4-6	
EN 61000-4-8	Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques - Section 8 : Power frequency magnetic field immunity test.
IEC 61000-4-8	
KN 61000-4-8	
EN50130-4	Alarm systems - Part 4 : Electromagnetic compatibility - Product family standard : Immunity requirements for components of fire, intruder and social alarm
EN61326-1	Electrical equipment for measurement, control and laboratory use - EMC requirements
ICES-003	Industry Canada. Spectrum Management and Telecommunication Policy. Interference-Causing Equipment Standard. Digital Apparatus
RLL Notice 2005-82	Technical Requirements for Electromagnetic Interference
RLL Notice 2005-83	
SAE J551/2 (1994)	Test Limits and Methods of Measurement of Radio Disturbance Characteristics of Vehicles, Motorboats, and Spark-Ignited Engine-Driven Devices
Sn-15.1	Hydro-Québec. Spécification normalisée. Essais des disjoncteurs de 26,4 à 765 kV

Sn-62.1008

Hydro-Québec. Spécification normalisée. Matériel électronique et à relais - Fourniture et essais

(Essais de sécurité électrique)

UL 61010-1 (CAN/CSA-C22.2 No 61010-1), IEC 61010-1, EN 61010-1

Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements
Sauf pour : 12 - Protection against radiation, including laser source, and against sonic and ultrasonic pressure
13.2.3 - Implosion of High Vacuum Devices

UL60950-1 (CAN/CSA C22.2 No60950-1), IEC 60950-1, EN 60950-1

Information Technology Equipment - Safety - Part 1 : General Requirements
Sauf pour :
2.10.6 - Coated Printed Boards
4.3.13 - Radiation
4.2.8 - Cathode Ray Tubes
6 - Connection to Telecommunication Network
7 - Connection to cable distribution systems
Annex A3 - Hot flaming oil test
Annex H - Ionizing radiation
Annex M - Criteria for telephone ringing and other signals

(Essais Environnementaux)

CEI/IEC 60068-2-1

Environmental testing - Part 2 : Tests - Test A : Cold

CEI/IEC 60068-2-14

Environmental testing - Part 2 : Tests - Test N : Change of temperature tests

CEI/IEC 60068-2-18

Environmental testing - Part 2 : Tests- Test R and guidance : Water

CEI/IEC 60068-2-2

Environmental testing - Part 2 : Tests - Tests B : Dry heat

CEI/IEC 60068-2-27

Environmental testing - Part 2 : Tests - Test Ea and guidance : Shock

CEI/IEC 60068-2-28

Environmental testing - Part 2 : Tests - Supporting documentation and guidance - Damp heat tests

CEI/IEC 60068-2-30

Environmental testing - Part 2 : Test - Test Db and guidance : Damp heat, cyclic (12 + 12 hour cycle)

CEI/IEC 60068-2-31

Environmental testing - Part 2 : Tests - Test Ec : Drop and topple, primarily for equipment-type specimens

CEI/IEC 60068-2-32

Environmental testing - Part 2 : Tests - Test Ed : Free fall

CEI/IEC 60068-2-34

Environmental testing - Part 2 : Tests - Test Fd : Random vibration wide band - General requirements

CEI/IEC 60068-2-35

Environmental testing - Part 2 : Tests - Test Fda : Random vibration wide band - reproducibility high

CEI/IEC 60068-2-36

Environmental testing - Part 2 : Tests - Test Fdb : Random vibration wide band - Reproducibility medium

CEI/IEC 60068-2-37

Environmental testing - Part 2 : Tests - Test Fdc : Random vibration wide band - Reproducibility low

CEI/IEC 60068-2-38

	Environmental testing - Part 2 : Tests - Test Z/AD : Composite temperature/humidity cyclic test
CEI/IEC 60068-2-47	Environmental testing - Part 2 : Test - Mounting of specimens for vibration, impact and similar dynamic tests
CEI/IEC 60068-2-55	Environmental testing - Part 2 : Tests - Test Ee and guidance : Bounce
CEI/IEC 60068-2-6	Environmental testing - Part 2 : Tests - Test Fc : Vibration (sinusoidal)
CEI/IEC 60068-2-78	Environmental testing - Part 2: Tests - test CAB: damp heat, steady state
CEI/IEC 61373	Railway Applications - Rolling Stock Equipment - Shock and Vibration tests
CEI-IEC 60068-2-64	Environment Testing - Part 2: Test Methods - Test Fn: Vibration, Broad-Band Random (Digital Control) and Guidance
EN 50155	Railway applications - Electronic equipment used on rolling stock
EN 60529	Degrees of protection provided by enclosures (IP code)
GR-63-CORE	NEBS(TM) Requirements : Physical protection
MIL-STD-810	Environmental Engineering Considerations and Laboratory Tests Seulement pour : Méthodes 500 Low Pressure (Altitude) (Except for explosive decompression, procedure IV) 501 High Temperature 502 Low Temperature 503 Temperature Shock 507 Humidity 509 Salt Fog 512 Leakage (Immersion) 514 Vibration 516 Shock 521 Icing/Freezing Rain

(Essais microélectriques)

CEI/IEC 60255-21-1	Electrical relays Part 21 : Vibration, shock, bump and seismic tests on measuring relays and protection equipment Section 1 : Vibration tests (sinusoidal)
CEI/IEC 60255-21-2	Electrical relays Part 21 : Vibration, shock, bump and seismic tests on measuring relays and protection equipment Section 2 - shock and bump tests
CEI/IEC 60571	Electronic equipment used on rail vehicles

Notes:

CAN-P-4E (ISO/CEI 17025): Exigences générales concernant la compétence des laboratoires d'étalonnages et d'essais (ISO/CEI 17025-2005)

S. Cross, directeur de l'Évaluation de la conformité

Date: 2010-09-15

Nombre des éléments de la portée : 67

SCC 1003-15/206

Dossier du partenaire n° : 0

Partenaire : Aucun