

SCOPE OF ACCREDITATION

Underwriters Laboratories Inc.
CAMAS LABORATORIES
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Accredited Laboratory No. 218
(Conforms with requirements of CAN-P-4E (ISO/IEC 17025:2005))

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CLIENTS SERVED: Normally internal use only

FIELDS OF TESTING: Electrical/Electronic

ISSUED ON: 2012-01-03

VALID TO: 2014-04-03

ELECTRICAL PRODUCTS AND ELECTRONIC PRODUCTS

Communications Equipment and Systems:

Radio, Television and Electronic Apparatus

(Radio, Television, and Video Equipment)

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| IEC 60065 | Safety Requirements for Mains Operated Electronic and Related Apparatus for Household and Similar General Use Except for: Cl. 6.2 - Last radiation measurement Cl. 9.3.10 - Vibration generator test Cl. 12.3 - Tumbling barrel Cl. 18.2.2/3 - Implosion test |
| UL 1411 | Transformers and Motor Transformers for Use in Audio-, Radio-, and Television-Type Appliances |

Components and Assemblies:

Switches and Controls

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| IEC 60730-1 | Automatic electrical controls for household and similar use Part 1: General requirements Except for: Clause 6.13 According to value of proof tracking index (PTI) for the insulating material used Clause 6.18 and Annex H.6.18 According to Software Class Clause 12 Moisture and dust resistance - Above Type 6 Rating Clause 18.6.1 Tumbling Barrel Clause 21.2.7 Resistance to tracking Clause 23 Electromagnetic Compatibility (EMC) requirements - emission Clause 26 Electromagnetic Compatibility (EMC) requirements - immunity |
| UL 1434 | Thermistor-Type Devices |

Transformers

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| CSA C22.2 No. 0.3-8 | Test Methods for Electrical Wires and Cables Except for: Cl. 4.1.4.1/2 - Continuity of metal coating Cl. 4.1.5 - Adherence of metallic coatings Cl. 4.10.2 - Ozone resistance Cl. 4.11.4 - FT4 Cable tray flame Cl. 4.11.5 - Flamme test for cables in underground use Appendix B FT5 Horizontal flame test Cl. 4.14 - Resistance cutting Cl. 4.28.3 - Spark test Cl. 4.31 - Acid gas evolution |
| UL 506 | Speciality Transformers |

Wiring and Related Products

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| CSA C22.2 No. 188 | Splicing Wire and Cable Connectors Except for: Cl. 7.2 Heat Cycling |
| CSA C22.2 No. 21 | Cord Sets and Power-Supply Cords |
| CSA C22.2 No. 210.2 | Appliance Wiring Material Products Except for: Cl. 25 - Ozone resistance test Cl. 38 - Stability factor Cl. 45 - Spark test |
| CSA C22.2 No. 42 | General Use Receptacles, Attachment Plugs, and Similar Wiring Devices Except for: Cl. 7.9.5 Heat Cycling Cl. 7.16.6 Fault Current Cl. 7.22 Fault Current |

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| | 7.26 Heat Cycling |
| | 7.27 Heat Cycling |
| | 7.28 Environmental Tests |
| CSA C22.2 No. 49 | Flexible Cords and Cables Except for: Cl. 32.9 - Thermostat & TPE insulation stability Cl. 50 - Spark Test for fixtures and decorating lighting wires Cl. 51 - Dielectric Voltage withstand and spark test for flexible cords Cl. 53 - Conductors from Indoor service flexible cords hoistway cables |
| CSA C22.2 No. 8 | Electromagnetic Interference Filters Except for: Cl. 6.15 - Short circuit withstand |
| UL 498 | Attachment Plugs and Receptacles |
| UL 817 | Cord Sets and Power-Supply Cords |

Electrical Appliances:

Cooking and Liquid Heating

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| CSA C22.2 No. 109 | Commercial Cooking Appliances |
| CSA C22.2 No. 64 | Household Cooking and Liquid-Heating Appliances |
| UL 1026 | Electric Household Cooking and Food Serving Appliances |

Heating, Refrigerating and Air Conditioning

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| CSA C22.2 No. 113 | Fans and Ventilators |
| CSA C22.2 No. 236 | Heating and Cooling Equipment Only for: electric Heating and Cooling Equipment, Single or three Phase 250 Volts and less |

Lighting and Fixtures

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| CSA C22.2 No. 12 | Portable Luminaires |
| UL 1598 | Luminaires Except for: Recessed Ceiling mounted luminaires |

Miscellaneous Electrical Appliances (Specify)

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| CSA C22.2 No. 68 | Motor-Operated Appliances (Household and Commercial)(Electric Personal Grooming, Sewing and Cutting Machines) |
| UL1012 | Power Supplies |
| UL1778 | Uninterruptible Power Supply Equipment |
| UL508 | Industrial Control Equipment |

Motor Operated Electrical Appliances

UL 73

Motor-Operated Appliances

Information Processing and Business Equipment:

Data Processing Equipment

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| IEC 60950 | Safety Of Information Technology Equipment Including Electrical Business Equipment Except for: Cl. 4.3.21 - Ionizing radiation test Annex H Cl. 6.4.2.2 - TNVckt impulse test Cl. 6.4.3.2/3 - Acoustic pressure limiting test Annex A3 Cl. 4.4.4 - High current arc ignition test Annex A4 Cl. 4.4.5 - Hot wire ignition Annex A4 Cl.4.4.6 - Hot flaming oil test |
| IEC 60950-21 | Safety - Information Technology Equipment, Part 21: Remote Power Feeding |

Medical Devices:

Treatment Equipment

NOTE: Except for Electromagnetic compatibility capability for all IEC 60601 part 2 standards.

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| IEC 60601-1 edition 2 | Medical Electrical Equipment, Part 1: General Requirements for Safety Except for: Cl. 17(h) - Defibrilators proof test Cl. 25.2 - Vacuum Tube implosion test Cl. 29 - X-radiation Cl. 39 - Requirements for Category AP&APEG Cl. 39.3(b) - Prevention of electrostatic charges Cl. 39.4 - Corona measurement Cl. 44.6 - Ingress of liquids |
| IEC 60601-2-10 | Medical Electrical Equipment, Part 2: Particular requirements for the safety of nerve and muscle stimulators |
| IEC 60601-2-2 | Particular Requirements for the Safety of High Frequency Surgical Equipment |
| IEC 60601-2-26 | Medical Electrical Equipment, Part 2: Particular requirements for the safety of electroencephalographs |
| IEC 60601-2-27 | Particular requirements for the safety, including essential performance, of electrocardiographic monitoring equipment |
| IEC 60601-2-34 | Particular Requirements for the Safety, Including Essential Performance, of Invasive Blood Pressure Monitoring Equipment |
| IEC 60601-2-37 | Medical Electrical Equipment - Part 2-37: Particular Requirements for the Safety of Ultrasonic Medical |

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| | Diagnostic and Monitoring Equipment |
| IEC 60601-2-38 | Medical Electrical Equipment, Part 2: Particular requirements for the safety of electrically operated hospital beds |
| IEC 60601-2-40 | Medical Electrical Equipment, Part 2: Particular requirements for the safety of electromyographs and evoked response equipment |
| IEC 60601-2-5 | Medical Electrical Equipment, Part 2: Particular requirements for the safety of ultrasonic therapy equipment |

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

Laboratory Equipment

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| IEC 61010 2-101 | Particular Requirements for in Vitro Diagnostic (IVD) Medical Equipment |
| IEC 61010-031 | Safety requirements for hand-held probe assemblies for electrical measurement and test |
| IEC 61010-1 | Safety requirements for electrical equipment for measurement, control, and laboratory use; Part 1 General requirements Except for: Cl. 11.6 - Special enclosure tests IEC 529 Cl. 12.2.2 - Ionizing radiation test Cl. 12.5 - Sonic detection and ultrasonic pressure test Cl. 12.6 - Laser radiation test Cl. 13.2 - Implosion test high vacuum devices |
| IEC 61010-2-010 | Laboratory equipment for the heating of material |
| IEC 61010-2-040 | Particular Requirements for Sterilizer and Washer-Disinfectors used to Treat Medical Materials |
| IEC 61010-2-041 | Autoclaves using steam for the treatment of medical materials, and for laboratory processes |
| IEC 61010-2-051 | Laboratory equipment for mixing and stirring |
| IEC 61010-2-32 | Particular requirements for hand-held current clamps for electrical measuring equipment |
| IEC 61010-2-81 | Particular Requirements for Automatic and Semi-Automatic Laboratory Equipment for Analysis and Other Purposes |

Notes:

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

S. Cross, Director, Conformity Assessment

Date: 2012-01-03

Number of Scope Listings: 47

SCC 1003-15/224

Partner File #0

Partner: None