


City of Los Angeles
 RECOGNIZED ELECTRICAL TESTING LABORATORIES
 FOR LISTING OF ELECTRICAL EQUIPMENT

NAMES

LIMITS OF APPROVAL

APPROVED UNTIL

<p>1.</p>	<p>City of Los Angeles Electrical Testing Laboratory</p> <p>Main Office - Metro 201 N. Figueroa St., Suite 500 Los Angeles, CA 90012 Tel. (213) 482-6721</p>  <p>Electrical Test Lab Facility Open Thursdays: 7:30 am - 11 am Or by Appointments Only 2319 Dorris Place Los Angeles, CA 90031 Tel. (323) 224-2168</p> <p>www.LADBS.org</p>	<p>Approval of all electrical equipment.</p>	<p>Indefinite</p>
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As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and, upon request will provide reasonable accommodation to ensure equal access to its programs, services and activities.

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	<p>Main Office - Toronto 178 Rexdale Boulevard Toronto, Ontario, Canada M9W 1R3 Tel. (416) 747-4000</p> <p>Montreal Office 865 Ellingham St, Pointe-Claire, Quebec, Canada H9R 5E8</p> <p>Vancouver Office 13799 Commerce Parkway Richmond, British Columbia, Canada V6V 2N9</p> <p>Edmonton Office 1707 94th Street Edmonton, Alberta, Canada T6N 1E6</p> <p>Cleveland Office 8501 E. Pleasant Valley Road Cleveland, Ohio 44131 Tel. (216) 524-1990</p> <p>Irvine Office 34 Bunsen Irvine, CA 92618 Tel. (949) 733-4300</p> <p>Alpharetta Office 6215 Shiloh Crossing Bldg 100, #A Alpharetta, GA 30005 Tel (416) 747-4013</p> <p>https://www.csagroup.org</p> <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p></p> <p>- All electrical equipment tested to the National Electrical Code and ANSI standards. - A "US" mark or approved equivalent marking shall be included in the equipment label at the proximity of the "CSA" marking</p> <p>ASME A.17.5 Elevators and Escalator Electrical Equipment ANSI C37.09 (1) Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis ANSI C37.013(1) AC High-Voltage Generator Circuit Breakers Rated on a Symmetrical ANSI C37.13 (1) Low-Voltage AC Power Circuit Breakers Used in Enclosures ANSI C37.14 (1) Low-Voltage DC Power Circuit Breakers Used in Enclosures ANSI C37.17 (1) Trip Devices for AC and General Purpose DC Low-Voltage Power Circuit Breakers ANSI C37.18 (1) Enclosed Field Discharge Circuit Breakers for Rotating Electric Machinery ANSI C37.20.1(1) Metal-Enclosed Low-Voltage Power circuit-Breaker Switchgear ANSI C37.20.2(1) Metal-Clad and Station-Type Cubicle Switchgear ANSI C37.20.3(1) Metal-Enclosed Interrupter Switchgear ANSI C37.21(1) Control Switchboards ANSI C37.23 (1) Metal Enclosed Bus and Calculating Losses in Isolated-Place Bus ANSI C37.29 (1) Low-Voltage AC Power Circuit Protectors Used in Enclosures ANSI C37.41 (1) Design Tests for High-Voltage Fuses, Distribution Enclosed Single Pole Air Switches, Fuse Disconnecting Switches and Accessories ANSI C37.45 (1) Distribution Enclosed Single-Pole Air Switches ANSI C37.46 (1) Specifications for Power Fuses and Fuse Disconnecting Switches ANSI C37.47 (1) Specifications for Distribution Fuse Disconnecting Switches, Fuse Supports, and Current-Limiting Fuses ANSI C37.50 (1) Low-Voltage AC Power Circuit Breakers Used in Enclosures - - Test Procedures ANSI C37.51 (1) Metal-Enclosed Low Voltage AC Power Circuit-Breaker Switchgear Assemblies - - Conformance Test Procedures ANSI C37.52 (1) Low-Voltage AC Power Circuit Protectors Used in Enclosures - - Test Procedures ANSI C37.53.1.(1) High-Voltage Current Motor-Starter Fuses - - Conformance Test Procedures ANSI C37.54 (1) Indoor Alternating-Current High Voltage Circuit Breakers Applied as Removable Elements in Metal-Enclosed Switchgear, Assemblies- - Conformance Test Procedures ANSI C37.55 (1) Metal-Clad Switchgear Assemblies - - Conformance Test Procedures ANSI C37.57 (1) Metal-Enclosed Interrupter Switchgear Assemblies - - Conformance Testing ANSI C37.58 (1) Indoor AC Medium-Voltage Switches for Use in Metal-Enclosed Switchgear - - Conformance Testing Procedures ANSI C37.66 (1) Oil-Filled Capacitor Switches for Alternating-Current Systems - - Requirements ANSI C37.121(1) Unit Substations - - Requirements ANSI C57.13 (1) Requirements for Instrument Transformers ANSI C62.11 (1) Metal Oxide Surge Arresters for AC Power Circuits ANSI S82.02.01 Electric and Electronic Test, Measuring, Controlling, and Related Equipment: General Requirement ANSI Z21.1 Household Cooking Gas Appliances ANSI Z21.5.1 Gas Clothes Dryers - - Type I ANSI Z21.5.2 Gas Clothes Dryers, Type 2, Volume II ANSI Z21.10.1 Gas Water Heaters - - Automatic Storage Type Water Heaters with Inputs of 70,000 Btu Per Hour or Less ANSI Z21.11.2 Gas-Fired Room Heaters - - Volume II - - Unrented Room ANSI Z21.15 Manually Operated Gas Valves ANSI Z21.17 Domestic gas Conversion Burners ANSI Z21.18 Gas Appliance Pressure Regulators ANSI Z21.19 Refrigerators Using Gas Fuel ANSI Z21.20 Automatic Gas Ignition Systems and Components ANSI Z21.21 Automatic Valves for Gas Appliances ANSI Z21.22 Relief Valves and Automatic Gas Shutoff Devices for Hot Water Supply Systems ANSI Z21.23 Gas Appliance Thermostats ANSI Z21.24 Metal Connectors for Gas Appliances</p>	<p>August 21, 2020</p>

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2.	<p>Canadian Standards Association (CSA)</p> <p>Main Office - Toronto 178 Rexdale Boulevard Toronto, Ontario, Canada M9W 1R3 Tel. (416) 747-4000</p> <p>Montreal Office 865 Ellingham Street, Pointe-Claire, Quebec, Canada H9R 5E8</p> <p>Vancouver Office 13799 Commerce Parkway Richmond, British Columbia, Canada V6V 2N9</p> <p>Edmonton Office 1707 94th Street Edmonton, Alberta, Canada T6N 1E6</p> <p>Cleveland Office 8501 E. Pleasant Valley Road Cleveland, Ohio 44131 Tel. (216) 524-1990</p> <p>Irvine Office 34 Bunsen Irvine, CA 92618 Tel. (949) 733-4300</p> <p>Alpharetta Office 6215 Shiloh Crossing Bldg 100, #A Alpharetta, GA 30005 Tel (416) 747-4013</p> <p>https://www.csagroup.org</p> <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>Only these CSA offices are recognized for:</p> <ul style="list-style-type: none"> - All electrical equipment tested to the National Electrical Code and ANSI standards. - A "US" mark or approved equivalent marking shall be included in the equipment label at the proximity of the "CSA" marking <p>UL 1206 Electric Commercial Clothes-Washing Equipment 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 1241 Junction Boxes for Swimming Pool Lighting Fixtures UL 1242 Intermediate Metal Conduit UL 1244 Electrical and Electronic Measuring and Testing Equipment UL 1248 Engine-Generator Assemblies for Use in Recreational Vehicles UL 1261 Electric Water Heaters for Pools and Tubs UL 1277 Electrical Power and Control Tray Cables With Optional Optical-Fiber Members UL 1278 Movable and Wall – or Ceiling-Hung Electric Room 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 1323 Scaffold Hoists UL 1363 Temporary Power Taps UL 1411 Transformers and Motor Transformers for Use In Audio-, Radio-, and Television-Type Appliances UL 1412 Fusing Resistors and Temperature-Limited Resistors for 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 1419 Professional Video and Audio Equipment UL 1424 Cables for Power-Limited Fire-Protective-Signaling Circuits UL 1425 Cables for Non-Power-Limited Fire-Alarm Circuits UL 1429 Pullout Switches UL 1431 Personal Hygiene and Health Care Appliances UL 1433 Control Centers for Changing Message Type Electric Signs UL 1434 Thermistor-Type Devices UL 1436 Outlet Circuit Testers and Similar Indicating Devices UL 1437 Electrical Analog Instruments, Panelboard Types UL 1441 Coated Electrical Sleeving UL 1446 Electric Water Bed Heaters 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 1472 Solid-State Dimming Controls UL 1482 Solid-Fuel Room Type Heaters UL 1484 Residential Gas Detectors UL 1492 Audio and Video Equipment 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 Spas, Equipment Assemblies, and Associated Equipment UL 1564 Industrial Battery Chargers UL 1565 Wire Positioning Devices UL 1567 Receptacles and Switches Intended 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</p>	<p>August 21, 2020</p>

NAMES

LIMITS OF APPROVAL

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2.	Canadian Standards Association (CSA)	Only these CSA offices are recognized for:	August 21, 2020
	<p>Main Office - Toronto 178 Rexdale Boulevard Toronto, Ontario, Canada M9W 1R3 Tel. (416) 747-4000</p> <p>Montreal Office 865 Ellingham Street, Pointe-Claire, Quebec, Canada H9R 5E8</p> <p>Vancouver Office 13799 Commerce Parkway Richmond, British Columbia, Canada V6V 2N9</p> <p>Edmonton Office 1707 94th Street Edmonton, Alberta, Canada T6N 1E6</p> <p>Cleveland Office 8501 E. Pleasant Valley Road Cleveland, Ohio 44131 Tel. (216) 524-1990</p> <p>Irvine Office 34 Bunsen Irvine, CA 92618 Tel. (949) 733-4300</p> <p>Alpharetta Office 6215 Shiloh Crossing Bldg 100, #A Alpharetta, GA 30005 Tel (416) 747-4013</p> <p>https://www.csagroup.org</p> <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p></p> <p>- All electrical equipment tested to the National Electrical Code and ANSI standards. - A "US" mark or approved equivalent marking shall be included in the equipment label at the proximity of the "CSA" marking</p> <p>UL 1594 Sewing and Cutting Machines UL 1598 Luminaires 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 Burglar Alarm Communicator System Units UL 1637 Home Health Care Signaling Equipment 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 1653 Electrical Nonmetallic Tubing 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 1676 Discharge Path Resistors UL 1681 Wiring Device Configurations UL 1682 Plugs, Receptacles, and Cable Connectors, of the Pin and Sleeve Type UL 1684 Reinforced Thermosetting Resin Conduit UL 1690 Data-Processing Cable UL 1699 Arc-Fault Circuit-Interrupters UL 1703 Flat Plate Photo Voltaic Modules and Panels UL 1711 Amplifiers for Fire Protective Signaling Systems UL 1727 Commercial Electric Personal Grooming Appliances UL 2740 Industrial Robots and Robotic Equipment UL 1741 Static Inverters and Charge Controllers for use in Photovoltaic Power Systems 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 1835 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 1951 Electric Plumbing Accessories UL 1963 Refrigerant Recovery/Recycling Equipment 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 2017 General Purposes Signaling Devices and Systems 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 2089² Vehicle Battery Adapters UL 2097 Reference Standard for Double Insulation Systems for Use in Electronic Equipment 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 2200 Stationary Engine Generator Assemblies UL 2202 Electric Vehicle (EV) Charging System Equipment UL 2250 Instrumentation Tray Cable</p>	

City of Los Angeles
 RECOGNIZED ELECTRICAL TESTING LABORATORIES
 FOR LISTING OF ELECTRICAL EQUIPMENT

NAMES

LIMITS OF APPROVAL

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2.	<p>Canadian Standards Association (CSA)</p> <p>Main Office - Toronto 178 Rexdale Boulevard Toronto, Ontario, Canada M9W 1R3 Tel. (416) 747-4000</p> <p>Montreal Office 865 Ellingham Street, Pointe-Claire, Quebec, Canada H9R 5E8</p> <p>Vancouver Office 13799 Commerce Parkway Richmond, British Columbia, Canada V6V 2N9</p> <p>Edmonton Office 1707 94th Street Edmonton, Alberta, Canada T6N 1E6</p> <p>Cleveland Office 8501 E. Pleasant Valley Road Cleveland, Ohio 44131 Tel. (216) 524-1990</p> <p>Irvine Office 34 Bunsen Irvine, CA 92618 Tel. (949) 733-4300</p> <p>Alpharetta Office 6215 Shiloh Crossing Bldg 100, #A Alpharetta, GA 30005 Tel (416) 747-4013</p> <p>https://www.csagroup.org</p> <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>Only these CSA offices are recognized for:</p> <ul style="list-style-type: none"> - All electrical equipment tested to the National Electrical Code and ANSI standards. - A "US" mark or approved equivalent marking shall be included in the equipment label at the proximity of the "CSA" marking <p>UL 2703 Mounting systems, mounting devices, clamping/retention devices, and ground lugs for use with Flat-Plate Photovoltaic Modules And Panels 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 Explosion proof Electrical Equipment, General Requirements FM 3620 Purged and Pressurized Electrical Equipment for Hazardous (Classified) Locations FM 3810 Electrical and Electronic Test, Measuring, and Process Control Equipment UL 5085-1 Low Voltage Transformers- - Part 1: General Requirements UL 5085-3 Low Voltage Transformers- - Part 3: Class 2 and Class 3 Transformers FM 6310 Combustible Gas Detectors UL 6500 Audio/Visual and Musical Instrument Apparatus for Household, Commercial, and Similar UL 60065 Audio, Video and Similar Electronic Apparatus UL 60335-1 Safety of Household and Similar Electronic Appliances, Part 1; General Requirements UL 60335-2-34 Household and Similar Electrical Appliances, Part 2; Particular Requirements for Motor-Compressors UL 60601-1 Medical Electrical Equipment, Part 1: General requirements for Safety UL 60691 Thermal-Links - - Requirements and Application Guide 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 60730-2-4 Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Thermal Motor Protectors for Motor-Compressors Of Hermetic and Semi-Hermetic Type UL 60730-2-6 Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Automatic Electrical Pressure Sensing Controls Including Mechanical Requirements UL 60730-2-7 Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Timers and Time Switches UL 60730-2-9 Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Temperature Sensing Controls UL 60730-2-10A Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Motor Starting Relays UL 60730-2-11A Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Energy Regulators UL 60730-2-12A Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Electrically Operated Door Locks UL 60730-2-13A Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Humidity Sensing Controls UL 60730-2-14 Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Electric Actuators UL 60730-2-16A Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Automatic Electrical Water Level Controls UL 60745-1 Hand-Held Motor-Operated Electric Tools- - Safety- - Part 1: General Requirements UL 60950 Information Technology Equipment UL 61010A-1 Electrical Equipment for Laboratory Use; Part 1: General Requirements UL 61010A-2-010 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for the Heating of Materials UL 61010A-2-020 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Centrifuges UL 61010A-2-041 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Autoclaves Using Steam for the Treatment of Medical Materials and for Laboratory Processes</p>	<p>August 21, 2020</p>

NAMES

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2.	<p>Canadian Standards Association (CSA)</p> <p>Main Office - Toronto 178 Rexdale Boulevard Toronto, Ontario, Canada M9W 1R3 Tel. (416) 747-4000</p> <p>Montreal Office 865 Ellingham Street, Pointe-Claire, Quebec, Canada H9R 5E8</p> <p>Vancouver Office 13799 Commerce Parkway Richmond, British Columbia, Canada V6V 2N9</p> <p>Edmonton Office 1707 94th Street Edmonton, Alberta, Canada T6N 1E6</p> <p>Cleveland Office 8501 E. Pleasant Valley Road Cleveland, Ohio 44131 Tel. (216) 524-1990</p> <p>Irvine Office 34 Bunsen Irvine, CA 92618 Tel. (949) 733-4300</p> <p>Alpharetta Office 6215 Shiloh Crossing Bldg 100, #A Alpharetta, GA 30005 Tel (416) 747-4013</p> <p>https://www.csagroup.org</p> <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>Only these CSA offices are recognized for:</p> <ul style="list-style-type: none"> - All electrical equipment tested to the National Electrical Code and ANSI standards. - A "US" mark or approved equivalent marking shall be included in the equipment label at the proximity of the "CSA" marking <p>UL 61010A-2-042 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Autoclaves and Sterilizers Using Toxic Gas for the Treatment of Medical Materials, and for Laboratory Processes UL 61010A-2-051 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Equipment for Mixing and Stirring</p> <p>UL 61010A-2-061 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements For Laboratory Atomic Spectrometers with Thermal Atomization and Ionization</p> <p>UL 61010B-1 Electrical Measuring and Test Equipment; Part 1: General Requirements UL 61010B-2-031 Electrical Equipment for Measurement, Control, and Laboratory Use; Part 2: Particular Requirements for Hand-Held Probe Assemblies for Electrical Measurement and Test</p> <p>UL 61010C-1 Process Control Equipment UL 61058-1 Switch for Appliances UL 8750 Light Emitting Diode (LED) Equipment for use in lighting products</p>	August 21, 2020

City of Los Angeles
 RECOGNIZED ELECTRICAL TESTING LABORATORIES
 FOR LISTING OF ELECTRICAL EQUIPMENT

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<p>3.</p>	<p>Curtis-Straus LLC</p>  <p>One Distribution Center Circle, Suite #1 Littleton, Massachusetts 01460 Phone: 978-486-8880 www.curtis-straus.com</p>	<p>ANSI/AAMI ES60601-1: 2005/(R)2012 Medical Electrical Equipment, Part 1: General Requirements for Basic Safety and Essential Performances (with amendments) UL 197 Commercial Electric Cooking Appliances UL 507 Standard for Electric Fans UL 763 Motor-Operated Commercial Food Preparing Machines UL 982 Motor-Operated Household Food Preparing Machines UL 935 Fluorescent-Lamp Ballasts UL 1012 Power Supplies UL 1082 Standard for Household Electric Coffee Makers and Brewing-Type Appliances UL 1083 Household Electric Skillet and Frying-Type Appliances UL 1310 Direct Plug-In Transformer Units UL 1598 Luminaires UL 1741 Standard for Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources UL 1778 Uninterruptible Power Systems UL 8750 Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products UL 60065 Audio, Video and Similar Electronic Apparatus UL 60335-1 Safety of Household and Similar Electrical Appliances, Part 1: General Requirements UL 60335-2-3 Safety of Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electric Irons UL 60335-2-8 Standard for Safety for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electric Shavers, Hair Clippers and Similar Appliances UL 60335-2-34 Safety of Household and Similar Electrical Appliances, Part 2-34: Particular Requirements for Motor-Compressors UL 60745-1 Hand-Held Motor-Operated Electric Tools – Safety – Part 1: General Requirements UL 60745-2-1 Hand-Held Motor-Operated Electric Tools – Safety – Part 2-1: Particular Requirements for Drills and Impact Drills. UL 60745-2-2 Hand-Held Motor-Operated Electric Tools- Safety – Part 2-2: Particular Requirements for Screwdrivers and Impact Wrenches UL 60745-2-3 Hand-Held Motor-Operated Electric Tools – Safety – Part 2-3: Particular Requirements for Grinders, Polishers and Disk-Type Sanders UL 60745-2-4 Hand-Held Motor-Operated Electric Tools – Safety – Part 2-4: Particular Requirements for Sanders and Polishers Other Than Disk Type UL 60745-2-5 Hand-Held Motor-Operated Electric Tools – Safety – Part 2-5: Particular Requirements for Circular Saws UL 60745-2-6 Hand-Held Motor-Operated Electric Tools – Safety – Part 2-6: Particular Requirements for Hammers UL 60745-2-11 Hand-Held Motor-Operated Electric Tools – Safety – Part 2-11: Particular Requirements for Reciprocating Saws UL 60950 Information Technology Equipment Safety Requirements</p>	<p>UL 60950-21 Information Technology Equipment— Safety—Part 21: Remote Power Feeding UL 60950-22 Information Technology Equipment— Safety—Part 22: Equipment to be Installed Outdoors UL 60950-23 Information Technology Equipment— Safety—Part 23: Large Data Storage Equipment UL 61010-2-010 Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use – Part 2-010: Particular Requirements for Laboratory Equipment for the heating of Materials UL 61010-2-030 Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use—Part 2-030: Particular Requirements for Testing and Measuring Circuits UL 61010A-1 Electrical Equipment for Laboratory Use; Part 1: General Requirements UL 61010B-1 Electrical Measuring and Test Equipment; Part 1: General Requirements UL 61010B-2-031 Electrical Equipment for Measurement, Control, and Laboratory Use; Part 2-031 Particular Requirements for Hand-Held Probe assemblies for Electrical Measurement and Test UL 62368-1 Audio/Video, Information and Communication Technology Equipment—Part 1: Safety Requirements</p>	<p>March 25, 2019</p>
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City of Los Angeles
 RECOGNIZED ELECTRICAL TESTING LABORATORIES
 FOR LISTING OF ELECTRICAL EQUIPMENT

NAMES

LIMITS OF APPROVAL

APPROVED UNTIL


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4.	<p>FM Approvals LLC (formerly Factory Mutual Research Corporation)</p> <p>Norwood Office 1151 Boston-Providence Turnpike Norwood, Massachusetts 02062 Tel. (781) 762-4300</p> <p>Rhode Island Office 743 Reynolds Road West Glocester, Rhode Island 02814 Tel. (781) 762-4300</p> <p>www.fmglobal.com</p>  <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>Only these FM offices are recognized for:</p> <p>ANSI S82.02.01 Electric and Electronic Test, Measuring, Controlling, and Related Equipment: General Requirements ANSI S82.02.02 Electrical Equipment for Measurement, Control, and Laboratory Use ANSI Z8.1 Commercial Laundry and Dry-cleaning Equipment and Operations ANSI ICS 2 Industrial Control Devices, Controllers and Assemblies ANSI 12.12.01 Non-incentive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations ANSI 20 Centrifugal Fire Pumps UL 38 Manually Actuated Signaling Boxes for Use With Fire-Protective Signaling Systems ANSI 72 Installation, Maintenance, and Use of Protective Signaling Systems UL 346 Water flow Indicators for Fire Protective Signaling Systems UL 508 Electric Industrial Control Equipment UL 558 Industrial Trucks, Internal Combustion Engine-Powered UL 583 Electric-Battery-Powered Industrial Trucks UL 664 Commercial (Class IV) Electric Dry-Cleaning Machines UL 674 Electric Motors and Generators for Use in Hazardous (Classified) Locations UL 698 Industrial Control Equipment for Use in Hazardous (Classified) Locations UL 753 Alarms Accessories for Automatic Water-Supply Control Valves UL 781 Portable Electric Lighting Units for Use in Hazardous (Classified) Locations UL 823 Electric Heaters for Use in Hazardous (Classified) Locations UL 827 Central-Stations for Watchmen, Fire-Alarm, and Supervisory Services UL 844 Electric Lighting Fixtures for Use in Hazardous (Classified) Locations UL 863 Electric Time-Indicating and -Recording Appliances UL 864 Control Units for Fire-Protective Signaling Systems UL 877 Circuit Breakers and Circuit-Breaker Enclosure for Use in Hazardous (Classified) Locations UL 886 Electrical Outlet Boxes and Fittings for Use in Hazardous (Classified) Locations 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 (Classified) Locations UL 1002 Electrically Operated Valve for Use in Hazardous (Classified) Locations 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 1236 Battery Chargers for Charging Engine-Starter Batteries UL 1240 Electric Commercial Clothes-Drying Equipment UL 1254 Pre-Engineered Dry Chemical Extinguishing System Units UL 1262 Laboratory Equipment FM 1321 Controllers for Electric Motor Driven Fire Pumps UL 2157 Electric Clothes Washing Machines and Extractors UL 2158 Electric Clothes Dryers FM 3260 Flame Radiation Detectors for Automatic Fire Alarm Signaling 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 Explosion-proof Electrical Equipment, General Requirements FM 3620 Purged and Pressurized Electrical Equipment for Hazardous (Classified) Locations FM 3810 Electrical and Electronic Test, Measuring, and Process Control Equipment FM 3990 Less or nonflammable Liquid-Insulated Transformers FM 6051 Safety Containers and Filing, Supply and Disposal Containers FM 6310 Combustible Gas Detectors UL 60950 Information Technology Equipment</p>	<p>February 15, 2020</p>

City of Los Angeles
 RECOGNIZED ELECTRICAL TESTING LABORATORIES
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<p>5.</p>	<p>IAPMO Ventures, LLC d/b/a EGS</p> <p>Ontario Office 5001 E. Philadelphia St. Ontario, CA 91761 Tel. (909) 230-5530</p> <p>http://www.iapmoegs.org</p>  <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>Only these IAPMO offices are recognized for:</p> <ul style="list-style-type: none"> UL 778 Motor-Operated Water Pumps UL 875 Standard for Electric Dry-Bath Heaters UL 979 Standard for Water Treatment Appliances UL 1081 Swimming Pool Pumps, Filters and Chlorinators UL 1241 Standard for Junction Boxes for Swimming Pool Luminaires UL 1261 Standard for Electric Water Heaters for Pools and Tubs UL 1431 Personal Hygiene and Health Care Appliances UL 1563 Electric Spas, Equipment Assemblies, and Associated Equipment UL 1795 Hydro-massage Bathtubs UL 1951 Electric Plumbing Accessories 	<p>June 1, 2020</p>
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LIMITS OF APPROVAL

APPROVED UNTIL

	NAMES	LIMITS OF APPROVAL	APPROVED UNTIL	
6.	<p>Intertek Testing Services NA Inc.</p> <p>Arlington Main Office 545 E. Algonquin Rd. Ste. F Arlington, Heights, IL 60065 Tel. (607) 758-6336</p> <p>Cortland Branch 3933 U.S. Route 11 Cortland, NY 13045 Tel. (607) 753-6711</p> <p>Menlo Park, San Francisco Branch 1365 Adams Court Menlo Park CA 94025 Tel. (650) 463-2900</p> <p>Atlanta Branch 1950 Evergreen Blvd., Suite 100 Duluth, Georgia 30096 Tel. (678) 775-2400</p> <p>Portland Oregon Branch 22887 NE Townsend Way Fairview, Or 97024 Tel. (503) 626-6694</p> <p>Boxborough Branch 70 Codman Hill Rd. Boxborough, MA 01719 Tel. (978) 263-2662</p> <p>Los Angeles Branch 25791 Commercentre Dr Lake Forest, CA 92630 Tel. (949) 448-4100</p> <p>Supplemental Recognition: Former Entela merged into Cortland Intertek office</p> <p>3933 U.S. Route 11 Cortland, NY 13045 Tel. (607) 753-6711 www.intertek-etlsemko.com</p>  <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>Only these Intertek offices Recognized for: ANSI A17.5 Elevators and Escalator Electrical Equipment</p> <ul style="list-style-type: none"> 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 5B Strut-Type UL 6 Rigid Metal Conduit UL 6A Electrical Rigid Metal Conduit – Aluminum, Bronze, and Stainless Steel UL 8 Foam Fire Extinguishers UL 10A Tin-Clad Fire Doors UL 13 Power-Limited Circuit Cables UL 20 General-Use Snap Switches UL 22 Amusement and Gaming Machines UL 25 Meters for Flammable and Combustible Liquids and LP Gas. UL 38 Manual Signaling Boxes for Fire Alarm Systems UL 44 Rubber-Insulated Wires and Cables UL 45 Portable Electric Tools UL 48 Electric Signs UL 50 Electric Cabinets and Boxes UL 51 Power-Operated Pumps for Anhydrous Ammonia and LP Gas. UL 62 Flexible Cord and Fixture Wire UL 67 Electric Panel boards UL 65 Electric Wired Cabinets UL 69 Electric-Fence Controllers UL 73 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 98 Enclosed and Dead-Front Switches UL 96 Lightning Protection Components UL 104 Elevator Door Locking Devices and Contacts UL150 Antenna Rotators UL 122 Photographic Equipment UL 130 Electric Heating Pads UL 141 Garment Finishing Appliances UL 153 Portable Electric Lamps UL 174 Household Electric Storage – Tank Water Heaters UL 180 Liquid-Level Indicating Gauges and Tank Filling Signals for Petroleum Products UL 183 Manufactured Wiring Systems UL 187 X-Ray Equipment UL 197 Commercial Electric Cooking Appliances UL 201 Standard for Garage Equipment 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 248-1 Low-Voltage Fuses – Part 1: General Requirements UL 244A Solid State Controls for Appliances 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 style="list-style-type: none"> UL 248-6 Low-Voltage Fuses – Part 6: Class H 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 268 Smoke Detectors for Fire Alarm Signaling Systems UL 268A Smoke Detectors for Duct Application UL 291 Automated Teller Systems UL 294 Access Control System Units UL 298 Portable Electric Hand Lamps UL 305 Panic Hardware UL 310 Electrical Quick-Connect Terminals UL 325 Door, Drapery, Gate, Louver, and Window Operators and Systems UL 346 Water flow Indicators for Fire Protective Signaling Systems 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 399 Drinking-Water Coolers 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 444 Communications Cables UL 448 Pumps for Fire-Protection Service UL 452 Antenna – Discharge Units UL 464 Audible Signal Appliances UL 466 Electric Scales UL 467 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-486B Wire Connectors UL 486C Splicing Wire Connectors UL 486D Sealed Wire Connector System UL 486E Equipment Wiring Terminals for Use with Aluminum and/or Copper Conductors UL 489 Molded-Case Circuit Breaker and Circuit-Breaker Enclosures UL 493 Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables UL 495 Power-Operated dispensing Devices for LP-Gas 	<p>June 1, 2020</p>

NAMES

LIMITS OF APPROVAL

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	NAMES	LIMITS OF APPROVAL	APPROVED UNTIL	
6.	<p>Intertek Testing Services NA Inc.</p> <p>Arlington Main Office 545 E. Algonquin Rd. Ste. F Arlington, Heights, IL 60065 Tel. (607) 758-6336</p> <p>Cortland Branch 3933 U.S. Route 11 Cortland, NY 13045 Tel. (607) 753-6711</p> <p>Menlo Park, San Francisco Branch 1365 Adams Court Menlo Park CA 94025 Tel. (650) 463-2900</p> <p>Atlanta Branch 1950 Evergreen Blvd., Suite 100 Duluth, Georgia 30096 Tel. (678) 775-2400</p> <p>Portland Oregon Branch 22887 NE Townsend Way Fairview, Or 97024 Tel. (503) 626-6694</p> <p>Boxborough Branch 70 Codman Hill Rd. Boxborough, MA 01719 Tel. (978) 263-2662</p> <p>Los Angeles Branch 25791 Commercentre Dr Lake Forest, CA 92630 Tel. (949) 448-4100</p> <p>Supplemental Recognition: Former Entela merged into Cortland Intertek office</p> <p>3933 U.S. Route 11 Cortland, NY 13045 Tel. (607) 753-6711 www.intertek-entsemko.com</p>  <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>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 497C Protectors for Coaxial Communication and Fire Alarm Circuits UL 498 Electrical Attachment Plugs and Receptacles UL 498A Current Taps and Adapters UL 496 Edison-Base Lampholders UL 499 Electric Heating Appliances UL 506 Specialty Transformers UL 507 Electric Fans UL 508 Electric Industrial Control Equipment UL 508A 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 514D Cover Plates for Flush-Mounted Wiring Devices UL 515 Electrical Resistance Heat Tracing for Commercial and Industrial Applications UL 521 Heat Detectors for Fire Protective Signaling Systems UL 539 Single and Multiple Station Heat Alarms UL 542 Lamp holders, Starters, and Starter Holders for Fluorescent Lamps UL 541 Refrigerated Vending Machines UL 544 Electric Medical and Dental Equipment UL 551 Transformer-Type Arc-Welding Machines UL 561 Floor-Finishing Machines UL 563 Ice Makers UL 568 Nonmetallic Cable Tray Systems 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 L 621 Ice Cream Makers UL 632 Electrically Actuated Transmitters UL 634 Connectors and Switches for Use with Burglar-Alarm Systems UL 635 Insulating Bushings UL 636 Holdup Alarm Units and Systems UL 639 Intrusion-Detection Units 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 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 681 Installation and Classification of Burglar and Holdup Alarm Systems UL 696 Electric Toys UL 697 Toy Transformers UL 698 Industrial Control Equipment for Use in Hazardous (Classified) Locations UL 698A Industrial Control Panels Relating to Hazardous (Classified) Locations UL 705 Power Ventilators UL 710 Grease Extractors for Exhaust Ducts</p>	<p>UL 711 Rating and Fire Testing of Fire Extinguishers UL 719 Nonmetallic Sheathes Cables UL 745-1 Portable Electric Tools UL 745-2-1 Drills UL 745-2-2 Screwdrivers and Impact Wrenches UL 745-2-3 Grinders, Polishers and Disk-type Sanders UL 745-2-4 Sanders UL 745-2-5 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 Reciprocating Saws UL 745-2-12 Concrete Vibrators UL 745-2-14 Planers UL 745-2-17 Routers and Trimmers UL 745-2-30 Staplers UL 745-2-31 Diamond Core Drills UL 745-2-32 Magnetic Drill Press UL 745-2-33 Portable Band saws UL 745-2-34 Strapping Tools UL 745-2-35 Drain Cleaners UL 745-2-36 Hand Motor Tools UL 745-2-37 Plate Joiners UL 746A Polymeric Materials --Short Term Property Evaluations UL 746B Polymeric Materials -- Long Term Property Evaluations UL 746C Polymeric Materials – Use in Electrical Equipment Evaluations UL 746E Polymeric Materials – Industrial Laminates, Filament Wound Tubing, Vulcanized Fiber, and Materials Used in Printed Wiring Boards UL 749 Household 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 Photo-controls for Use with Area Lighting UL 773A Nonindustrial Photoelectric Switches for Lighting Control UL 775 Graphic Arts Equipment UL 781 Portable Electric Lighting Units for Use in Hazardous (Classified) Locations UL 778 Motor-Operated Water Pumps UL 783 Electric Flashlights and Lanterns for Use in Hazardous (Classified) Locations UL 789 Indicator Posts for Fire-Protection Service UL 796 Printed-Wiring Boards UL 791 Residential Incinerators UL 797 Electrical Metallic Tubing UL 797A Electrical Metallic Tubing – Aluminum UL 810 Capacitors UL 813 Commercial Audio Equipment UL 814 Gas-Tube-Sign and Ignition Cable UL 817 Cord Sets & Power-Supply Cords UL 823 Electric Heaters for Use in Hazardous (Classified) Locations UL 826 Household Electric Clocks UL 827 Central-Station for Watchman, Fire-Alarm, and Supervisory Services UL 834 Heating, Water Supply, and Power Boilers – Electric 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 858A Safety-Related Solid-State Controls for Household Electric Ranges</p>	June 1, 2020

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6.	Intertek Testing Services NA Inc.		June 1, 2020
<p>Arlington Main Office 545 E. Algonquin Rd. Ste. F Arlington, Heights, IL 60065 Tel. (607) 758-6336</p> <p>Cortland Branch 3933 U.S. Route 11 Cortland, NY 13045 Tel. (607) 753-6711</p> <p>Menlo Park, San Francisco Branch 1365 Adams Court Menlo Park CA 94025 Tel. (650) 463-2900</p> <p>Atlanta Branch 1950 Evergreen Blvd., Suite 100 Duluth, Georgia 30096 Tel. (678) 775-2400</p> <p>Portland Oregon Branch 22887 NE Townsend Way Fairview, Or 97024 Tel. (503) 626-6694</p> <p>Boxborough Branch 70 Codman Hill Rd. Boxborough, MA 01719 Tel. (978) 263-2662</p> <p>Los Angeles Branch 25791 Commercentre Dr Lake Forest, CA 92630 Tel. (949) 448-4100</p> <p>Supplemental Recognition: Former Entela merged into Cortland Intertek office</p> <p>3933 U.S. Route 11 Cortland, NY 13045 Tel. (607) 753-6711 www.intertek-etlsemko.com</p>  <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	 <p>UL 858 Household Electric Ranges UL 859 Household Electric Personal Grooming Appliances UL 863 Electric Time-Indicating and Recording Appliance UL 864 Control Units for Fire-Protective Signaling Systems UL 867 Electrostatic Air Cleaners UL 869A Reference 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 Electrical 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 Bassasts UL 943 Ground-Fault Circuit Interrupters UL 943B Appliance Leakage-Current Interruptor UL 961 Electric Hobby and Sports Equipment UL 963 Sealing, Wrapping, and Marking 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 985 Household Fire Warning System Units 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 Transfer Switch Equipment UL 1010 Receptacle-Plug Combinations for Use in Hazardous (Classified) Locations UL 1012 Power Units Other Than Class 2 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 Hair Clipping and Shaving Appliances UL 1029 High-Intensity Discharge Lamp Ballasts UL 1030 Sheathed Heating Elements UL 1034 Burglary Resistant Electric Locking Mechanisms UL 1037 Antitheft Alarms and Devices UL 1042 Electric Baseboard Heating Equipment UL 1047 Isolated Power Systems Equipment UL 1053 Ground-Fault Sensing and Relaying Equipment</p>	<p>UL 1054 Special-Use Switches UL 1059 Electrical Terminal Blocks UL 1062 Unit Substations 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 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 1088 Temporary Lighting Strings UL 1283 Electromagnetic-Interference Filter UL 1286 Office Furnishings 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 Charges UL 1238 Control Equipment for Use with Flammable Liquid Dispensing Devices UL 1240 Electric Commercial Clothes-Drying Equipment UL 1241 Junction Boxes for Swimming Pool Lighting Fixtures UL 1242 Intermediate Metal Conduit UL 1244 Electrical and Electronic Measuring and Testing Equipment 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 1310 Direct Plug-In Transformer Units UL 1363 Relocatable Power Taps UL 1411 Transformers and Motor Transformers for Use In Audio-, Radio-, and Television-Type Appliances UL 1412 Fusing Resistors and Temperature-Limited Resistors for 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 1419 Professional Video and Audio Equipment UL 1424 Cables for Power-Limited Fire-Protective-Signaling circuits UL 1425 Cables for Non-Power-Limited Fire-Alarm Circuits UL 1431 Personal Hygiene and Health Care Appliances UL 1433 Control Centers for Changing Message Type Electric Signs UL 1434 Thermistor-Type Devices UL 1436 Outlet Circuit Testers and Similar Indicating Devices</p>	

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<p>Arlington Main Office 545 E. Algonquin Rd. Ste. F Arlington, Heights, IL 60065 Tel. (607) 758-6336</p> <p>Cortland Branch 3933 U.S. Route 11 Cortland, NY 13045 Tel. (607) 753-6711</p> <p>Menlo Park, San Francisco Branch 1365 Adams Court Menlo Park CA 94025 Tel. (650) 463-2900</p> <p>Atlanta Branch 1950 Evergreen Blvd., Suite 100 Duluth, Georgia 30096 Tel. (678) 775-2400</p> <p>Portland Oregon Branch 22887 NE Townsend Way Fairview, Or 97024 Tel. (503) 626-6694</p> <p>Boxborough Branch 70 Codman Hill Rd. Boxborough, MA 01719 Tel. (978) 263-2662</p> <p>Los Angeles Branch 25791 Commercentre Dr Lake Forest, CA 92630 Tel. (949) 448-4100</p> <p>Supplemental Recognition: Former Entela merged into Cortland Intertek office</p> <p>3933 U.S. Route 11 Cortland, NY 13045 Tel. (607) 753-6711 www.intertek-etlsemko.com</p>  <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	 <p>UL 1437 Electrical Analog Instruments-Panel Board Type 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 1468 Direct Acting Pressure Reducing and Pressure Restricting 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 and Video Equipment UL 1557 Electrically Isolated Semiconductor Devices UL 1558 Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear UL 1559 Insect-Control Equipment, Electrocutation 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 1637 Home Health Care Signaling Equipment UL 1638 Visual Signaling Appliances UL 1640 Portable Power Distribution Units UL 1651 Optical Fiber Cable UL 1653 Electrical Nonmetallic Tubing UL 1655 Community-Antenna Television Cables UL 1660 Liquid-Tight Flexible Nonmetallic Conduit UL 1662 Electric Chain Saws UL 1673 Electric Space Heating Cables UL 1676 Discharge Path Resistors UL 1681 Wiring Device Configurations UL 1682 Plugs, Receptacles, and Cable Connectors, of the Pin and Sleeve Type 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 1699 Arc-Fault Circuit-Interrupters UL 1647 Motor-Operated Massage and Exercise Machines Appliances UL 1703 Flat Plate Photovoltaic Modules and Panels UL 1711 Amplifiers for Fire Protective Signaling Systems UL 1727 Commercial Electric Personal Grooming</p>	<p>UL 1730 Smoke Detector Monitors and Accessories for Individual Living Units of Multifamily Residences and Hotel/Motel Rooms UL 1738 Venting Systems for Gas-Burning Appliances, Categories II, III, and IV UL 1740 Industrial Robots and Robotic Equipment Systems UL 1741 Inverters, Converters, and Controllers for Use in Independent Power UL 1773 Termination Boxes UL 1776 High-Pressure Cleaning Machines UL 1778 Uninterruptible Power Supply Equipment UL 1786 Nightlights UL 1795 Hydro-massage Bathtubs UL 1812 Ducted Heat Recovery Ventilators UL 1815 Non-ducted 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 1887 Fire Test of Plastic Sprinkler Pipe for Flame and Smoke Characteristics UL 1889 Commercial Filters for Cooking Oil UL 1917 Solid-State Fan Speed Controls 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 2017(1) General Purpose Signaling Devices and Systems UL 2021 Field Erected Boiler Assemblies 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 2089(2) Vehicle Battery Adapters 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 2111 Overheating Protection for Motors UL 2125 Motor-Operated Air Compressors for Use in Sprinkler Systems UL 2157 Electric Clothes Washing Machines and Extractors UL 2158 Electric Clothes Dryers UL 2161 Neon Transformers and Power Supplies UL 2202 Electric Vehicle (EV) Charging System Equipment UL 2227 Overfilling Prevention Devices UL 2250 Instrumentation Tray Cable UL 2200 Stationary Engine Generator Assemblies UL 2388 Flexible Lighting Products UL 3044 Surveillance Closed Circuit Television Equipment UL 2703 Mounting systems, mounting devices, clamping/retention devices, and ground lugs for use with Flat-Plate Photovoltaic Modules And Panels UL 4703 Photovoltaic Wire UL 5085-1 Low Voltage Transformers-Part 1: General Requirements</p>	

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	<p>Arlington Main Office 545 E. Algonquin Rd. Ste. F Arlington, Heights, IL 60065 Tel. (607) 758-6336</p> <p>Cortland Branch 3933 U.S. Route 11 Cortland, NY 13045 Tel. (607) 753-6711</p> <p>Menlo Park, San Francisco Branch 1365 Adams Court Menlo Park CA 94025 Tel. (650) 463-2900</p> <p>Atlanta Branch 1950 Evergreen Blvd., Suite 100 Duluth, Georgia 30096 Tel. (678) 775-2400</p> <p>Portland Oregon Branch 22887 NE Townsend Way Fairview, Or 97024 Tel. (503) 626-6694</p> <p>Boxborough Branch 70 Codman Hill Rd. Boxborough, MA 01719 Tel. (978) 263-2662</p> <p>Los Angeles Branch 25791 Commercentre Dr Lake Forest, CA 92630 Tel. (949) 448-4100</p> <p>Supplemental Recognition: Former Entela merged into Cortland Intertek office</p> <p>3933 U.S. Route 11 Cortland, NY 13045 Tel. (607) 753-6711 www.intertek-etlsemko.com</p>		<p>UL 5085-3 Low Voltage Transformers-Part 3: Class 2 and Class 3 Transformers UL 6500 Audio/Video and Musical Instrument Apparatus for Household, Commercial, and Similar General Use UL 9540 Standard for Energy Storage Systems and Equipment UL 60065 Audio, Video and Similar Electronic Apparatus. UL 60335-1 Safety of Household and Similar Electrical Appliances, Part 1: General Requirements UL 60335-2-8 Household and Similar Electrical Appliances, Part 2: Particular Requirements for Shavers, Hair Clippers, and Similar Appliances UL 60335-2-34 Household and Similar Electrical Appliances, Part 2: Particular Requirements for Motor-Compressors UL 60601-1 Medical Electrical Equipment 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 60730-2-4 Automatic Electrical Controls for Household and Similar Use, Part 2: Particular Requirements for Thermal Motor Protectors for Motor-Compressors of Hermetic and Semi-Hermetic Type UL 60730-2-6 Requirements for Automatic Electrical Pressure Sensing Controls Including Mechanical Requirements UL 60730-2-7 Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Timers and Time Switches UL 60730-2-9 Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Temperature Sensing Controls UL 60730-2-10A Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Electrically-Operated Motor Starting Relays UL 60730-2-11A Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Energy Regulators UL 60730-2-12A Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Electrically-Operated Doors UL 60730-2-13A Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Automatic Electrical Water Level Controls UL 60730-2-14 Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Electric Actuators UL 60730-2-16A Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Automatic Electrical Water Level Controls UL 60745-1 Hand-Held Motor-Operated Electric Tools-Safety-Part 1: General UL 60947-1 Low-Voltage Switchgear and Control gear - Part 1: General rules UL 60947-7-1 Low-Voltage Switchgear and Control gear - Part 7-1: Ancillary Equipment - Terminal Blocks for Copper Conductors</p>	<p>UL 60947-7-2 Low-Voltage Switchgear and Control gear - Part 7-2: Ancillary Equipment - Protective Conductor Terminal Blocks for Copper Conductors UL 60947-7-3 Low-Voltage Switchgear and Control gear - Part 7-3: Ancillary Equipment - Safety Requirements for Fuse Terminal Blocks UL 60950 Information Technology Equipment UL 61058-1 Switch for Appliances UL 61010A-1 Electrical Equipment For Laboratory Use; Part 1: General Requirements UL 61010A-2-010 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Equipment for the Heating of Materials UL 61010A-2-020 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Centrifuges UL 61010A-2-041 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Autoclaves Using Steam for the Treatment of Medical Materials and for Laboratory Processes UL 61010A-2-042 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Autoclaves and Sterilizers Using Toxic Gas for the Treatment of Medical Materials, and for Laboratory UL 61010A-2-051 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Equipment for Mixing and Stirring UL 61010A-2-061 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Atomic Spectrometers with Thermal Atomization and Ionization UL 61010B-1 Electrical Measuring and Test Equipment; Part 1: General Requirements UL 61010B-2-031 Electrical Equipment for Measurement, Control, and Laboratory Use; Part 2: Particular Requirements for Hand-Held Probe Assemblies for Electrical Measurement and Test UL 61010C-1 Process Control Equipment UL 8750 Light Emitting Diode (LED) Equipment for use in lighting products</p>	
					
	<p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>				

City of Los Angeles
RECOGNIZED ELECTRICAL TESTING LABORATORIES
FOR LISTING OF ELECTRICAL EQUIPMENT

NAMES

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7.	MET Laboratories, Inc.	Only this MET Lab office is Recognized for:	July 19, 2019
<p>914 West Patapsco Ave. Baltimore, Maryland 21230 Tel. (410) 354-3300</p> <p>www.metlab.com</p>  <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>Only this MET Lab office is Recognized for:</p> <p>ANSI C12.1 Code for Electricity Meters ANSI/IEEE C57.13 Terminology and Test Code for Instrument Transformers ANSI/UL 5 Surface Metal Raceways and Fittings UL 5A Nonmetallic Surface Raceways and Fittings. ANSI/UL 22 Electric Amusement Machines UL 45 Portable Electric Tools UL 48 Electric Signs ANSI/UL 50 Enclosures for Electrical Equipment ANSI/UL 65 Electric Wired Cabinets ANSI/UL 73 Electric Motor-Operated Appliances UL 82 Electric Gardening Appliances. ANSI/UL 122 Electric Photographic Equipment ANSI/UL 130 Electric Heating Pads ANSI/UL 153 Portable Electric Lamps UL 183 Manufactured Wiring Systems ANSI/UL 187 X-Ray Equipment ANSI/UL 197 Commercial Electric Cooking Appliances ANSI/UL 201 Garage Equipment ANSI/UL 231 Electrical Power Outlets UL 234 Low Voltage Lighting Fixtures for Use in Recreational Vehicles. UL 244A Solid State Controls for Appliances UL 250 Household Refrigerators and Freezers UL 291 Automated Teller Systems. UL 294 Access Control System Units. UL 298 Portable Electric Hand Lamps. UL 325 Door, Drapery, Gate, Louver and Window Operator and Systems UL 355 Cord Reels UL 399 Drinking Water Coolers UL 412 Refrigeration Unit Coolers UL 430 Waste Disposers UL 458 Power Converters/Inverters and Power Converter/Inverter Systems for Land Vehicles and Marine Crafts UL 466 Electric Scales UL 416 Refrigerated Medical Equipment UL 427 Refrigerating Units ANSI/UL 469 Musical Instruments and Accessories ANSI/UL 471 Commercial Refrigerators and Freezers UL 474 Dehumidifiers ANSI/UL 482 Portable Sun/Heat Lamps ANSI/UL 484 Room Air Conditioners UL 498A Current Taps and Adapters ANSI/UL 499 Electric Heating Appliances UL 506 Specialty Transformers ANSI/UL 507 Electric Fans ANSI/UL 508 Electric Industrial Control Equipment UL 508A Industrial Control Panels. UL 508C Power Conversion Equipment ANSI/UL 514A Metallic Outlet Boxes, Electrical UL 541 Refrigerated Vending Machines UL 544 Electric Medical and Dental Equipment UL 561 Floor-Finishing Machines UL 563 Ice Makers UL 588 Seasonal and Holiday Decorative Products. UL 664 Commercial Dry-Cleaning Machines (Type IV) ANSI/UL 676 Underwater Lighting Fixtures ANSI/UL 705 Power Ventilators UL 745-1 Portable Electric Tools UL 745-2-1 Particular Requirements of Drills UL 745-2-3 Particular Requirements for Grinders, Polishers, and Disk-Type Sanders UL 745-2-5 Particular Requirements for Circular Saws and Circular Knives UL 745-2-14 Particular Requirements for Planers UL 745-2-17 Particular Requirements for Routers and Trimmers</p>	<p>UL 745-2-31 Particular Requirements for Diamond Core Drills UL 745-2-32 Particular Requirements for Magnetic Drill Presses 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 749 Household Dishwashers UL 751 Vending Machines UL 756 Coin and Currency Changers and Actuators UL 763 Motor-Operated commercial Food Preparing Machines UL 775 Graphic Arts Equipment UL 778 Motor-Operated Water Pumps ANSI/UL 813 Commercial Audio Equipment UL 826 Household Electric Clocks UL 858 Household Electric Ranges UL 867 Electrostatic Air Cleaners. ANSI/UL 859 Personal Grooming Appliances UL 869A Standard for Service Equipment 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. ANSI/UL 923 Microwave Cooking Appliances UL 924 Emergency Lighting and Power Equipment UL 935 Fluorescent-Lamp Ballasts UL 961 Electric Hobby and Sports Equipment UL 963 Sealing, Wrapping, and Marking Equipment. ANSI/UL 982 Motor-Operated Household Food Preparing Machines UL 983 Surveillance Cameras Units UL 987 Stationary and Fixed Electric Tools. UL 998 Humidifiers UL 1008 Transfer Switch ANSI/UL 1012 Power Supplies ANSI/UL 1017 Vacuum Cleaning Machines and Blower Cleaners ANSI/UL 1018 Electric Aquarium Equipment UL 1026 Electric Household Cooking and Food Serving Appliances UL 1028 Hair Clipping and Shaving Appliances ANSI/UL 1042 Electric Baseboard Heating Equipment ANSI/UL 1054 Special-Use Switches ANSI/UL 1069 Hospital Signaling and Nurse-Call System UL 1081 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 1203 Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations UL 1230 Amateur Movie Lights UL 1236 Battery Chargers for Charging Engine-Starter Batteries UL 1244 Electrical and Electronic Measuring and Testing Equipment UL 1248 Engine-Generator Assemblies for Use in Recreational Vehicles UL 1261 Electric Water Heaters for Pools and Tubs UL 1278 Movable and Wall or Ceiling Hung Electric Room Heaters ANSI/UL 1262 Laboratory Equipment</p>	<p>July 19, 2019</p>

City of Los Angeles
 RECOGNIZED ELECTRICAL TESTING LABORATORIES
 FOR LISTING OF ELECTRICAL EQUIPMENT

NAMES

LIMITS OF APPROVAL

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	NAMES	LIMITS OF APPROVAL	APPROVED UNTIL	
7.	<p>MET Laboratories, Inc.</p> <p>914 West Patapsco Ave. Baltimore, Maryland 21230 Tel. (410) 354-3300</p> <p>www.metlab.com</p>  <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>ANSI/UL 1310 Direct Plug-In Transformer Units UL 1363 Re-locatable Power Taps. ANSI/UL 1411 Transformers and Motor Transformers for Use in Audio-, Radio-, and Television-Type Appliances UL 1419 Professional Video and Audio Equipment UL 1431 Personal Hygiene and Health Care Appliances UL 1433 Control Centers for Changing Message Type Electric Signs 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 1492 Audio-Video Products and Accessories UL 1559 Insect-Control Equipment UL 1563 Electric Spas, Equipment Assemblies UL 1564 Industrial Battery Chargers ANSI/UL 1573 Stage and Studio Lighting Units UL 1574 Track Lighting Systems UL 1585 Class 2 and Class 3 Transformers UL 1594 Sewing and Cutting Machines UL 1598 Luminaries UL 1638 Visual Signaling Appliances-Private Mode Emergency and General Utility Signaling UL 1640 Portable Power-Distribution Equipment ANSI/UL 1647 Motor-Operated Massage and Exercise Machines UL 1662 Electric Chain Saws. UL 1727 Commercial Electric Personal Grooming Appliances. UL 1740 Industrial Robots and Robotic Equipment UL 1741 Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources UL 1776 High-Pressure Cleaning Machines. UL 1778 Uninterruptible Power Supply Equipment UL 1786 Nightlights UL 1795 Hydro-massage Bathtubs UL 1838 Low Voltage Landscape Lighting Systems UL 1863 Communication Circuit Accessories UL 1951 Electric Plumbing Accessories UL 1993 Self-Ballasted Lamps and Lamp Adapters UL 1994 Luminous Egress Path Marking Systems. UL 1995 Heating and Cooling Equipment UL 1996 Electric Duct Heaters UL 2021 Fixed and Location Dedicated Electric Room Heaters UL 2044 Commercial Closed Circuit Television Equipment UL 2089 Vehicle Battery Adapters UL 2157 Electric Clothes Washing Machines and Extractors UL 2158 Electric Clothes Dryers UL 2161 Neon Transformers and Power Supplies UL 2202 Electric Vehicle (EV) Charging System Equipment UL 3044 Surveillance Closed Circuit Television Equipment UL 5085-1 Low Voltage Transformers—Part 1: General Requirements UL 5085-3 Low Voltage Transformers—Part 3: Class 2 and Class 3 Transformers UL 6500 Audio/Visual and Musical Instrument Apparatus for Household, Commercial, and Similar General Use UL 60065 Audio, Video and Similar Electronic Apparatus</p>	<p>UL 60335-1 Safety of Household and Similar Electrical Appliances, Part 1: General Requirements UL 60335-2-3 Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electric Irons UL 60335-2-8 Household and Similar Electrical Appliances, Part 2: Particular Requirements for Shavers, Hair Clippers, and Similar Appliances UL 60335-2-34 Household and Similar Electrical Appliances, Part 2; Particular Requirements for Motor Compressors. UL 60601-1 Medical Electrical Equipment, Part 1: General Requirements for Safety UL 60745-1 Hand-Held Motor-Operated Electric Tools—Safety—Part 1: General UL 60745-2-2 Hand-Held Motor-Operated Electric Tools—Safety—Part-2-2: Particular Requirements for Screwdrivers and Impact Wrenches UL 60745-2-4 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-4: Particular Requirements for Sanders and Polishers Other Than Disk UL 60745-2-6 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-6: Particular Requirements for Hammers UL 60745-2-8 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-8: Particular Requirements for Shears and Nibblers UL 60745-2-9 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-9: Particular Requirements for Tappers UL 60745-2-11 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-11: Particular Requirements for Reciprocating Saws UL 60745-2-12 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-12: Particular Requirements for Concrete Vibrators UL 60745-2-16 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-16: Particular Requirements for Trackers UL 60745-2-18 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-18: Particular Requirements for Strapping Tools UL 60745-2-20 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-20: Particular Requirements for Band Saws UL 60950 Information Technology Equipment UL 61010A-1 Electrical Equipment For Laboratory Use; Part 1: General Requirements UL 61010B-1 Electrical Measuring and Test Equipment; Part 1: General Requirements UL 61010C-1 Process Control Equipment</p>	<p>July 19, 2019</p>

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8.	NSF International	Only this NSF offices is recognized for:	UL 873 Temperature-Indicating and - Regulating Equipment. UL 921 Commercial Electric Dishwashers UL 982 Motor-Operated Household Food Preparing Machines UL 979 Water Treatment Appliances. UL 1026 Electric Household Cooking and Food Serving Appliances. UL 1081 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 1261 Electric Water Heaters for Pools and Tubs. UL 1453 Electric Booster and Commercial Storage Tank Water Heaters UL 1563 Electric Spas, Equipment Assemblies, and Associated Equipment UL 1598 Luminaires. UL 1795 Hydromassage Bathtubs UL 1889 Commercial Filters for Cooking Oil. UL 1951 Electric Plumbing Accessories. UL 2157 Electric Clothes Washing Machines and Extractors. UL 2158 Electric Clothes Dryers. UL 61010A-1 Electrical Equipment for Laboratory Use; Part 1: General Requirements	August 1, 2020
	<p>789 North Dixboro Road, Ann Arbor, Michigan 48105 (800) 673-6275</p>   <p>NSF® NRTL</p> <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>UL 48 Electric Signs. UL 65 Wired Cabinets. UL 73 Motor-Operated Appliances UL 94 Tests for Flammability of Plastic Materials for Parts in Devices and Appliances UL 174 Household Electric Storage Tank Water Heaters. UL 197 Commercial Electric Cooking Appliances UL 250 Household Refrigerators and Freezers. UL 399 Drinking-Water Coolers UL 412 Refrigeration Unit Coolers. UL 430 Waste Disposers. UL 466 Electric Scales UL 471 Commercial Refrigerators and Freezers UL 499 Electric Heating Appliances. UL 514B Fittings for Cable and Conduit UL 514C Nonmetallic Outlet Boxes, Flush-Device Boxes and Covers UL 514D Cover Plates for Flush-Mounted Wiring Devices UL 541 Refrigerated Vending Machines UL 563 Ice Makers UL 621 Ice Cream Makers UL 651 Schedule 40, 80, Type EB and a Rigid PVC Conduit and Fittings UL 651A Schedule 40 and 80 High Density Polyethylene (HDPE) Conduit UL 651B Continuous Length HDPE Conduit UL 749 Household [Electric] Dishwashers UL 751 Vending Machines UL 763 Motor-Operated Commercial Food Preparing Machines UL 778 Motor-Operated Water Pumps. UL 858 Household Electric Ranges.</p>		
9.	 <p>Nemko North America, Inc. 2210 Faraday Avenue, Suite 150 Carlsbad, California 92008 760-444-3500</p>  <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>UL 197 Commercial Electric Cooking Appliances UL 250 Household Refrigerators and Freezers. UL 427 Refrigerating Units UL 471 Commercial Refrigerators and Freezers UL 499 Electric Heating Appliances UL 507 Electric Fans UL 561 Floor Finishing Machines UL 563 Ice Makers UL 705 Power Ventilators UL 749 Household [Electric] Dishwashers UL 751 Vending Machines UL 763 Motor-Operated Commercial Food Preparing Machines UL 859 Personal Grooming Appliance UL 867 Electrostatic Air Cleaners UL 982 Motor-Operated Household Food Preparing Machines UL 1012 Power Units Other Than Class 2 UL 1017 Electric Vacuum Cleaning Machines and Blower Cleaners UL 1026 Electric Household Cooking and Food Serving Appliances</p>	<p>UL 1082 Household Electric Coffee Makers and Brewing-Type Appliances UL 1083 Household Electric Skillets and Frying-Type Appliances UL 1431 Personal Hygiene and Health Care Appliances UL 1563 Electric Spas, Equipment Assemblies, and Associated Equipment UL 6500 Audio/Visual and Musical Instrument Apparatus for Household, Commercial, and Similar General Use UL 60065 Audio, Video and Similar Electronic Apparatus UL 60335-1 Safety of Household and Similar Electrical Appliances, Part 1: General Requirements UL 60335-2-24 Safety Requirement for Household and Similar Electrical Appliances, Part 2: Refrigerating Appliances, Ice-Cream Appliances and Ice Makers UL 60601-1 Medical Electrical Equipment, Part 1: General Requirement for Safety UL 60950 Information Technology Equipment UL 6101A-1 Electrical Equipment for Laboratory Use; Part 1: General Requirement</p>	July 1, 2020

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	NAMES	LIMITS OF APPROVAL	APPROVED UNTIL
10.	<p>QPS Evaluation Services Inc.</p> <p>Canada Branch: 81 Kelfield Street, Unit 8 Toronto Ontario M9W 5A3 Canada Tel. 1-877-746-4777 Tel. Canada 416-241-8857 Tel. California 661-317-4580</p> <p>aevangelista@qps.ca</p>  <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>Only this QPS Evaluation Services Inc. office is recognized for:</p> <p>UL 48 Standard for Electric Signs UL 73 Standard for Motor-Operated Appliances UL 1310 Standard for Class 2 Power Units UL 1598 Luminaries UL 1741 Standard for Inverters, Converters, Controllers and Interconnection System for Equipment for Use With Distributed Energy Resources UL 508 Industrial control equipment-Standard for Industrial Control Equipment UL 508A Industrial control equipment-Standard for Industrial Control Panels UL 913 Hazardous location equipment-Standard for intrinsically safe apparatus and associated apparatus for use in Class I, II, III, Division 1, hazardous (classified) locations UL 1203 Hazardous location equipment-Standard for explosion-proof and dust-ignition-proof electrical equipment for use in hazardous (classified) locations UL 6500 Audio/video and musical equipment UL 8750 Standard for Light Emitting Diode (LED) Equipment for use in Lighting Products UL 60335 Household appliances UL 60601 Medical and Dental equipment UL 60950 Communication equipment UL 61010 Electrical and electronic measuring and testing equipment UL 22 Amusement and Gaming Machines UL 471 Commercial Refrigerators and Freezers UL 1018 Electric Aquarium Equipment UL 1012 Power Supplies Other than Class 2 UL 1995 Heating and Cooling Equipment</p>	May 1, 2020

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11.	<p>QAI Laboratories, Inc.</p> <p>QAI Laboratories LTD, Los Angeles 8385 White Oak Ave. Rancho Cucamonga, CA 91730</p> <p>Phone: 909-483-0250 Fax: 909-483-0336 http://qai.org/</p>  <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>Only this QAI Laboratories Inc. office is recognized for:</p> <ul style="list-style-type: none"> UL 48 Electric Signs UL 153 Portable Electric Luminaires UL 234 Low Voltage Lighting Fixtures for Use in Recreational Vehicles UL 355 Cord Reels UL 507 Electric Fans UL 508 Industrial Control Equipment UL 508A Industrial Control Panels UL 514C Nonmetallic Outlet Boxes, Flush-Device Boxes and Covers UL 514D Cover Plates for Flush-Mounted Wiring Devices UL 962 Household and Commercial Furnishings UL 1574 Track Lighting Systems UL 1598 Luminaires UL 1993 Self-Ballasted Lamps and Lamp Adapters UL 2108 Low Voltage Lighting Systems UL 8750 Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products UL 60950-1 Information Technology Equipment-Safety-Part 1: General Requirements. UL 61010-1 Safety Requirements for Electrical Equipment Measurement, Control, and Laboratory Use-Part 1: General Requirements 	October 4, 2019

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12.	TUV SUD America, Inc.	Only these TUV America offices are recognized for:	(TUV America recognition continued)	September 30, 2020
	<p>Peabody Office 10 Technology Dr Peabody, Ma 01960 Tel. (978) 573-2517</p> <p>San Diego Office 10040 Mesa Rim Road San Diego, CA 92121 Tel. (858) 678-1400</p> <p>New Brighton Office 141 14th St. NW New Brighton, Minnesota 55112 Tel. (651) 631-2487</p> <p>www.tuvamerica.com</p>	<p>ANSI/AAMI ES60601-1:2005(R)2012 Medical Electrical Equipment, Part 1 UL 22 Amusement and Gaming Machines UL 45 Portable Electric Tools UL 48 Electric Signs UL 50 Enclosures for Electrical Equipment UL 67 Panelboards UL 69 Electric Fence Controllers UL 73 Motor-Operated Appliances UL 82 Electric Gardening Appliances UL 197 Commercial Electric Cooking Appliances UL 201 Garage Equipment UL 250 Household Refrigerators and Freezers UL 291 Automated Teller Systems UL 325 Door, Rapery, Gate, Louver, and Window Operators and Systems UL 399 Drinking Water Coolers UL 427 Refrigerating Units UL 467 Electrical Grounding and Bonding Equipment UL 471 Commercial Refrigerators and Freezers UL 474 Dehumidifiers UL 482 Portable Sun/Heat Lamps UL 497A Secondary Protectors for Communication Circuits UL 499 Electric Heating Appliances UL 506 Specialty Transformers UL 507 Electric Fans UL 508 Industrial Control Equipment UL 508a Industrial Control Panels UL 508c Power Conversion Equipment UL 541 Refrigerated Vending Machines UL 551 Transformer-type Arc-welding Machines UL 561 Floor-Finishing Machines UL 563 Ice Makers UL 588 Seasonal and Holiday Decorative Products UL 676 Underwater Luminaires and Submersible Junction Boxes UL 696 Electric Toys UL 697 Toy Transformers UL 745 1 Portable Electric Toys UL 745 2 1 Particular Requirements for 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</p>	<p>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 749 Household Dishwashers UL 751 Vending Machines UL 763 Motor-Operated Commercial Food Preparing Machines UL 775 Graphic Arts Equipment UL 778 Motor Operated Water Pumps UL 813 Commercial Audio Equipment UL 826 Household Electric Clocks UL 858 Household Electric Ranges UL 859 Household Electric Personal Grooming Appliances UL 867 Electrostatic Air Cleaners UL 873 Temperature-Indicating and -Regulating Equipment UL 875 Electric Dry-Bath Heaters UL 921 Commercial Dishwashers UL 923 Microwave Cooking Appliances UL 935 Flourescent Lamp Ballasts UL 963 Sealing, Wrapping, and Marking Machines UL 969 Marking and Labeling Systems UL 977 Fused Power Circuit Devices UL 979 Water Treatment Appliances UL 982 Motor-operated Household Food Preparing Machines UL 984 Hermetic Refrigerant Motor Compressors UL 987 Stationary and Fixed Electric Tools UL 998 Humidifiers UL 1004 Electric Motors UL 1005 Electric Flatirons UL 1012 Power Units Other Than Class 2 UL 1017 Vacuum Cleaners, Blower Cleaners, and Household Floor Finishing Machines UL 1018 Electric Aquarium Equipment UL 1026 Electric Household Cooking and Food Serving Appliances UL 1028 Hair Clipping and Shaving Appliances UL 1030 Sheathed Heating Elements 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 1088 Temporary Lighting Strings UL 1090 Electric Snow Movers UL 1097 Double Insulation Systems for Use in Electrical Equipment UL 1206 Electric Commercial Clothes Washing Equipment UL 1230 Amateur Movie Lights UL 1236 Battery Chargers for Charging Engine-Starter Batteries UL 1240 Electric Commercial Clothes Drying Equipment UL 1278 Movable and Wall-or Ceiling-Hung Electric Room Heaters UL 1310 Class 2 Power Units UL 1244 Electrical and Electronic Measuring and Testing Equipment</p>	
<p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>				

City of Los Angeles
 RECOGNIZED ELECTRICAL TESTING LABORATORIES
 FOR LISTING OF ELECTRICAL EQUIPMENT

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12.	<p>TUV SUD America, Inc.</p>  <p>Peabody Office 10 Technology Dr Peabody, Ma 01960 Tel. (978) 573-2517</p> <p>San Diego Office 10040 Mesa Rim Road San Diego, CA 92121 Tel. (858) 678-1400</p> <p>New Brighton Office 141 14th St. NW New Brighton, Minnesota 55112 Tel. (651) 631-2487</p> <p>www.tuvamerica.com</p> <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>Only these TUV America offices are recognized for:</p> <p>UL 1411 Transformers and Motor Transformers for Use In Audio, Radio, and Television Type Appliances UL 1419 Professional Video and Audio Equipment UL 1431 Personal Hygiene and Health Care Appliances UL 1448 Electric Hedge Trimmers UL 1449 Surge Protective Devices UL 1450 Motor-Operated Air Compressors, Vacuum Pumps and Painting Equipment UL 1484 Residential Gas Detectors UL 1492 Audio-Video Products and Accessories UL 1559 Insect Control Equipment-Electrocution Type UL 1561 Dry Type General Purpose and Power Transformers UL 1563 Electric Spas, Equipment Assemblies, and Associated Equipment UL 1573 Stage and Studio Luminaires and Connector Strips UL 1574 Track Lighting Systems UL 1585 Class 2 and Class 3 Transformers UL 1594 Sewing and Cutting Machines UL 1598 Luminaires UL 1647 Motor-Operated Massage and Exercise Machines UL 1662 Electric Chain Saws UL 1740 Industrial Robots and Robotic Equipment UL 1741 Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources UL 1778 Uninterruptible Power Supply Equipment UL 1786 Direct Plug-In Nightlights UL 1838 Low Voltage Landscape Lighting Systems UL 1963 Refrigerant Recovery/Recycling Equipment UL 1993 Self Ballasted Lamps and Lamp Adapters UL 1995 Heating and Cooling Equipment UL 2044 Commercial Closed-Circuit Television Equipment UL 2111 Overheating Protection for Motors UL 2157 Electric Clothes Washing Machines and Extractors UL 2158 Electric Clothes Dryers UL 2200 Stationary Engine Generator Assemblies UL 6500 Audio/Video and Musical Instrument Apparatus for Household, Commercial, and Similar General Use UL 60065 Audio, Video and Similar Electronic Apparatus. UL 60335-1 Safety of Household and Similar Electrical Appliances, Part 1: General Requirements UL 60335-2-3 Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electric Irons UL 60335-2-8 Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electric Shavers, Hair Clippers, and Similar Appliances UL 60335-2-34 Household and Similar Electrical Appliances, Part 2: Particular Requirements for Motor-Compressors UL 60601-1 Medical Electrical Equipment UL 60950 Information Technology Equipment UL 61010A-1 Electrical Equipment For Laboratory Use; Part 1: General Requirements</p>	<p>(TUV America recognition continued)</p> <p>UL 61010A-2-010 Electrical Equipment for Laboratory Use; Part2: Particular Requirements for Laboratory Equipment for the Heating of Materials UL 61010A-2-020 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Centrifuges UL 61010A-2-041 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Autoclaves Using Steam for the Treatment of Medical Materials for Laboratory Processes UL 61010A-2-051 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Equipment for Mixing and Stirring UL 61010A-2-061 Electrical Equipment for Laboratory use; Part 2: Particular Requirements for Laboratory Atomic Spectrometers with Thermal Atomization and Ionization UL 61010B-1 Electrical Measuring and Test Equipment; Part 1: General Requirements UL 61010B-2-031 Electrical Equipment for Measurement, Control, and Laboratory use; Part 2: Particular Requirements for Hand-Held Probe Assemblies for Electrical Measurement and Test</p>	<p>September 30, 2020</p>

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 FOR LISTING OF ELECTRICAL EQUIPMENT

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13.	<p>TUV Rheinland of North America, Newtown</p> <p>12 Commerce Road Newtown, Connecticut 06470 Tel. (203) 426-0888</p> <p>www.us.tuv.com</p>  <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>Only this TUV Rheinland office is recognized for:</p> <p>AAMI ES60601-1:2005(R) 2012 Medical Electrical Equipment-Part 1: General Requirements for Basic Safety and Essential Performance ANSI A17.5 Elevators and Escalator Equipment ANSI A90.1 Safety Standards for Belt Manlifts ANSI C12.1 Code for Electrical Meters ANSI C37.21 Control Switchboards NFPA 496 Purged and Pressurized Enclosures for Electrical Equipment Ansi Z8.1 Commercial Laundry & Dry Cleaning & Op UL 22 Amusement and Gaming Machines UL 44 Rubber Insulated Wires and Cables; Thermoset Insulated Wires and Cables UL 45 Portable Electric Tools UL 48 Electric Signs UL 50 Enclosures for Electrical Equipment UL 62 Flexible Cord and Fixture Wire UL 65 Wired Cabinets UL 67 Panelboards UL 69 Electric fence Controllers UL 73 Motor-Operated Appliances UL 82 Electric Gardening Appliances UL 83 Thermoplastic Insulated Wire & Cables UL 122 Photographic Equipment UL 130 Electric Heating Pads UL 141 Garment Finishing Appliances UL 150 Antenna Rotators UL 153 Portable Electric Lamps UL 174 Household Electric Storage Tank Water Heaters UL 187 X-Ray Equipment UL 197 Commercial Electric Cooking Appliances UL 201 Garage Equipment UL 224 Extruded Insulating Tubing UL 231 Power Outlets UL 234 Low Voltage Lighting Fixtures for use in R.V's UL 244 A Solid State Controls for Appliances UL 250 Household Refrigerators and Freezers UL 291 Automated Teller Systems UL 294 Access Control System Units UL 325 Door,Drapery,Gate, Louver, and Window Operators and Systems UL 347 High Voltage Industrial Control Equipment UL 416 Refrigerated Medical Equipment UL 427 Refrigerating Units UL 429 Electrically Operated Valves UL 430 Waste Disposers UL 444 Communication Cables UL 466 Electric Scales UL 467 Electrical 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 496 Edison Base Lamp Holders UL 498 Attachment Plugs and Receptacles UL 499 Electric Heating Appliances UL 506 Specialty Transformers UL 507 Electric Fans UL 508 Industrial Control Equipment UL 508a Industrial Control Panels UL 508c Power Conversion Equipment 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</p>	<p>(TUV Rheinland recognition continued)</p> <p>UL 561 Floor Finishing Machines UL 563 Ice Makers UL 574 Electric Oil Heaters UL 583 Electric Battery Powered Industrial Trucks UL 588 Christmas Tree and Decorative Lighting Outlets 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 Systems and Units UL 621 Ice Cream Makers UL 632 Electrically Actuated Transmitters UL 634 Connectors and Switches for use with Burglar Alarm Systems UL 636 Holdup Alarm Units and Systems UL 639 Intrusion Detection Units UL 664 Commercial Dry Cleaning Machines (Type IV) UL 676 Underwater Lighting Fixtures UL 681 Installation and Classification of Burglar and Holdup Alarm Systems UL 696 Electric Toys UL 697 Toy Transformers UL 698A Industrial and Classification of Mercantile and Bank Burglar – Alarm Systems UL 745-1 Portable Electric Tools UL 745-2-1 Particular Requirements for 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 749 Household 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</p>	<p>August 15, 2020</p>

City of Los Angeles
RECOGNIZED ELECTRICAL TESTING LABORATORIES
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LIMITS OF APPROVAL

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	NAMES	LIMITS OF APPROVAL	APPROVED UNTIL	
13.	<p>TUV Rheinland of North America, Newtown</p> <p>12 Commerce Road Newtown, Connecticut 06470 Tel. (203) 426-0888</p> <p>www.us.tuv.com</p>  <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>TUV Rheinland recognition continued)</p> <p>UL 813 Commercial Audio Equipment UL 817 Cord Sets and Power Cord Supplies UL 826 Household Electric Clocks UL 827 Central Station Alarm Services UL 834 Heating, Water Supply, and Power Boilers-Electric UL 845 Motor Control Centers UL 858 Household Electric Ranges UL 859 Household Electric Personal Grooming Appliance UL 867 Electrostatic Air Cleaners UL 869A Standard for Service Equipment UL 873 Temperature-Indicating and -Regulating Equipment UL 875 Electric Dry Bath Heaters UL 884 Underfloor Raceways and Fittings 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 Electric Hobby and Sports Equipment UL 963 Sealing, Wrapping, and Marking Machines 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 Tests for Safety Related Controls Employing Solid-State Devices UL 998 Humidifiers UL 1004 Electric Motors UL 1004-1 Standard for Rotating Electrical Machines - General Requirements UL 1005 Electric Flatirons UL 1008 Transfer Switch Equipment UL 1012 Power Units Other Than Class 2 UL 1017 Vacuum Cleaners, Blower Cleaners, and Household Floor Finishing Machines UL 1018 Electric Aquarium Equipment UL 1023 Household Burglar-Alarm System Units UL 1026 Electric Household Cooking and Food Serving Appliances UL 1028 Hair Clipping and Shaving Appliances UL 1029 High Intensity Discharge Lamp Ballasts UL 1030 Sheathed Heater Elements UL 1034 Burglary Resistant Electric Locking Mechanisms UL 1042 Electric Baseboard Heating Equipment UL 1047 Isolated Power Systems Equipment UL 1054 Special Use Switches UL 1076 Proprietary Burglar Alarm Units and Systems UL 1077 Supplementary Protectors for Use in Electrical Equipment UL 1081 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 1088 Temporary Lighting Strings UL 1090 Electric Snow Movers UL 1097 Double Insulated Systems for use in Electrical Equipment UL 1206 Electric Commercial Clothes Washing Equipment UL 1230 Amateur Movie Lights UL 1236 Battery Chargers for Charging Engine-Starter Batteries UL 1240 Electric Commercial Clothes Drying Equipment</p>	<p>(TUV Rheinland recognition continued)</p> <p>UL 1241 Junction Boxes for Swimming Pool Lighting Fixtures UL 1244 Electrical and Electronic Measuring and Testing Equipment UL 1261 Electric Water Heaters for Pool and Tubs UL 1278 Movable and Wall or Ceiling-Hung Electric Room Heaters UL 1283 Electromagnetic-Interference Filter UL 1286 Office Furnishings UL 1310 Class 2 Power Units UL 1363 Relocatable Power Taps UL 1411 Transformers and Motor Transformers for Use in Audio, Radio, and Television-Type Appliances UL 1414 Across the Line, Antenna Coupling, and Line-by-Pass Capacitors for Radio-Television Type Appliances UL 1419 Professional Audio and Video Equipment UL 1431 Personal Hygiene and Health Care Appliances UL 1433 Control Centers for Changing Message Type Electric Signs UL 1445 Electric Water Bed Heaters UL 1447 Electric Lawn Mowers UL 1448 Electric Hedge Trimmers UL 1450 Motor-Operated Air Compressors, Vacuum Pumps and Painting Equipment UL 1472 Solid State Dimming Controls UL 1492 Audio-Video Products and Accessories UL 1559 Insect Control Equipment, Electrocuton Type UL 1561 Dry Type General Purpose and Power Transformers UL 1563 Electric Spas, Equipment Assemblies, and Associated Equipment UL 1564 Industrial Battery Chargers UL 1565 Wire Positioning Devices UL 1573 Stage and Studio Lighting Units UL 1574 Track Lighting Systems UL 1581 Standard for Electrical Wires, Cables, and Flexible Cords UL 1585 Class 2 and Class 3 Transformers UL 1594 Sewing and Cutting Machines UL 1598 Luminaires UL 1610 Central Station Burglar Alarm Units UL 1637 Home Health Care Signaling Equipment UL 1638 Visual Signaling Appliances UL 1647 Motor-Operated Massage and Exercise Machines UL 1662 Electric Chain Saws UL 1664 Immersion Detection Circuit Interrupters UL 1693 Electric Radiant Heating Panels and Heating Panel Sets UL 1703 Flat-Plate Photovoltaic Modules and Panels UL 1727 Commercial Electric Personal Grooming Appliances UL 1740 Industrial Robots and Robotic Equipment UL 1741 Inverters, Converters, Controllers and Interconnection System equipment for use with Distributed Energy Resources UL 1776 High Pressure Cleaning Machines UL 1778 Uninterruptible Power Supply Equipment UL 1786 Nightlights UL 1795 Hydromassage Bathtubs UL 1838 Low Voltage Landscape Lighting Systems UL 1863 Communication Circuit Accessories 1951 Electric Plumbing Accessories 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`</p>	<p align="right">August 15, 2020</p>

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13.	<p>TUV Rheinland of North America, Newtown</p> <p>12 Commerce Road Newtown, Connecticut 06470 Tel. (203) 426-0888</p> <p>www.us.tuv.com</p>  <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>TUV Rheinland recognition continued)</p> <p>UL 2044 Commercial Closed Circuit Television Equipment UL 2097 Double Insulated Systems for Use in Electronic Equipment UL 2106 Field Erected Boiler Assemblies UL 2108 Standard for Low Voltage Lighting Systems UL 2111 Overheating Protection for Motors UL 2157 Electric Clothes Washing Machines and Extractors UL 2158 Electric Clothes Dryers UL 2200 Stationary Engine Generator Assemblies UL 2202 Electric Vehicle (EV) Charging System Equipment UL 2703 Photovoltaic Rack Mounting System and Clamping Devices UL 5085-1 Low Voltage Transformers - Part 1: General Requirements UL 5085-3 Low Voltage Transformers - Part 3: Class 2 and Class 3 Transformers UL 9540 Standard for Energy Storage Systems and Equipment 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 General Requirements UL 60730-2-4 Automatic Electrical Controls for Household and Similar Use; Part 2; Particular Requirements for Automatic Electrical Pressure Sensing Controls Including Mechanical Requirements UL 60730-2-6 Automatic Electrical Controls for Household and Similar Use; Part 2; Particular Requirements for Thermal Motor Protectors for Motor Compressors of ahermetic and Semi-Hermetic Type UL 60730-2-7 Automatic Electrical Controls for Household and Similar Use; Part 2; Particular Requirements for Timers and Time Switches UL 60730-2-10A Automatic Electrical Controls for Household and Similar Use; Part 2; Particular Requirements for Motor Starting Relays UL 60730-2-11A Automatic Electrical Controls for Household and Similar Use; Part 2; Particular Requirements for Energy Regulators UL 60730-2-12A Automatic Electrical Controls for Household and Similar Use; Part 2; Particular Requirements for Electrically Operated Door Locks UL 60730-2-13A Automatic Electrical Controls for Household and Similar Use; Part 2; Particular Requirements for Humidity Sensing Controls UL 60730-2-14A Automatic Electrical Controls for Household and Similar Use; Part 2; Particular Requirements for Electric Actuators UL 60730-2-16A Automatic Electrical Controls for Household and Similar Use; Part 2; Particular Requirements for Automatic Electrical Water Level Controls UL 60745-1 Hand-Held Motor-Operated Electric Tools - Safety - Part 1: General Requirements UL 60745-2-2 Hand-Held Motor-Operated Electric Tools-Safety-Part 2-2: Particular Requirements for Screwdrivers and Impact Wrenches UL 60745-2-4 Hand-Held Motor-Operated Electric Tools - Safety - Part 2-4: Particular Requirements for Sanders and Polishers Other Than Disk UL 60745-2-6 Hand-Held Motor-Operated Electric Tools - Safety - Part 2-6: Particular Requirements for Hammers</p>	<p>(TUV Rheinland recognition continued)</p> <p>UL 60745-2-8 Hand-Held Motor-Operated Electric Tools - Safety - Part 2-8: Particular Requirements for Shears and Nibblers UL 60745-2-9 Hand-Held Motor-Operated Electric Tools - Safety - Part 2-9: Particular Requirements for Tappers UL 60745-2-11 Hand-Held Motor-Operated Electric Tools - Safety - Part 2-11: Particular Requirements for Reciprocating Saws UL 60745-2-12 Hand-Held Motor-Operated Electric Tools - Safety - Part 2-12: Particular Requirements for Concrete Vibrators UL 60745-2-16 Hand-Held Motor-Operated Electric Tools - Safety - Part 2-16: Particular Requirements for Tackers UL 60745-2-18 Hand-Held Motor-Operated Electric Tools - Safety - Part 2-18: Particular Requirements for Strapping Tools UL 60745-2-20 Hand-Held Motor-Operated Electric Tools - Safety - Part 2-20: Particular Requirements for Band Saws UL 60950 Information Technology Equipment UL 61058-1 Switch for Appliances for Household and Similar Applications UL 6500 Audio/Video and Musical Instrument Apparatus for Household, Commercial, and Similar General Use UL 60065 Audio, Video and Similar Electronic Apparatus. UL 60335-1 Safety of Household and Similar Electrical Appliances, Part 1: General Requirements UL 60335-2-8 Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electric Shavers, Hair Clippers, and Similar Appliances UL 60335-2-34 Household and Similar Electrical Appliances, Part 2: Particular Requirements for Motor-Compressors UL 60601-1 Medical Electrical Equipment UL 60950 Information Technology Equipment UL 61010A-1 Electrical Equipment for Laboratory Use UL 61010B-1 Electrical Equipment for Laboratory Use UL 61010C-1 Process Control Equipment UL 61010-1 Safety Requirements for Electrical Equipment For Measurement, Control, and Laboratory Use</p>	<p align="center">August 15, 2020</p>

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14.	<p>UL LLC</p> <p>Northbrook Office 333 Pfingsten Road Northbrook, IL 60062-2096 Tel. (708) 272-8800</p> <p>Research Triangle Park Office 12 Laboratory Drive Research Triangle Park, NC 27709 Tel. (919) 549-1400</p> <p>Fremont Office 47173 Benicia St Fremont, California 94583 Tel. (408) 754-6500</p> <p>Melville Office 1285 Walt Whitman Rd Melville, NY 11747 Tel. (516) 271-6200</p> <p>www.ul.com</p> <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p> <p>ANSI/UL 1 Flexible Metal Conduit ANSI/UL 3 Flexible Nonmetallic Tubing for Electric Wiring ANSI/UL 4 Armored Cable ANSI/UL 5 Surface Metal Raceways and Fittings UL 5A Nonmetallic surface Raceways and Fittings UL 5B Strut-Type Channel Raceways and Fitting UL 6 Rigid Metal Conduit UL 6A Electrical Rigid Metal Conduit - - Aluminum, Bronze, and Stainless Steel ANSI/UL 8 Foam Fire Extinguishers ANSI/UL 10A Tin-Clad Fire Doors ANSI/UL 10B Fire Tests of Door Assemblies UL 10C Positive Pressure Fire Tests of Door Assemblies ANSI/NFPA 11 Low Expansion Foam and Combined Agent Systems ANSI/NFPA 11A Medium-and High-Expansion Foam Systems ANSI/NFPA 12 Carbon Dioxide Extinguishing Systems ANSI/NFPA 12A Halon 1301 Fire Extinguishing Agent Systems ANSI/NFPA 13 Installation of Sprinkler Systems</p>	 <p>UL 13 Power-Limited Circuit Cables ANSI/UL 14B Sliding Hardware for Standard, Horizontally Mounted Tin-Clad Fire Doors ANSI/UL 14C Swinging hardware for Standard Tin-Clad Fire Doors Mounted Singly or In Pairs ANSI/NFPA 17 Dry Chemical Extinguishing Systems ANSI/UL 17 Vent or Chimney Connector Dampers for Oil-Fired Appliances ANSI/NFPA 20 Centrifugal Fire Pumps ANSI/UL 20 General-Use Snap Switches ANSI/UL 21 LP-Gas Hose ANSI/UL 22 Amusement and Gaming Machines ANSI/UL 25 Meters for Flammable and Combustible Liquids and LP-Gas ANSI/UL 30 Metal Safety Cans ANSI/UL 33 Heat Responsive Links for Fire-Protection Service UL 38 Manually Actuated Signaling Boxes for Use With Fire Protective Signaling Systems ANSI/UL 44 Rubber-Insulated Wires and Cables ANSI/UL 45 Portable Electric Tools ANSI/UL 48 Electric Signs ANSI/UL 50 Enclosures for Electrical Equipment ANSI/UL 51 Power-Operated Pumps for Anhydrous Ammonia and LP-Gas ANSI/UL 58 Steel Underground Tanks for Flammable and Combustible Liquids ANSI/UL 62 Flexible Cord and Fixture Wire ANSI/UL 65 Electric Wired Cabinets ANSI/UL 67 Electric Panelboards ANSI/UL 69 Electric Fence Controllers ANSI/NFPA 72 Installation, Maintenance, And Use of Protective Signaling Systems ANSI/UL 73 Electric-Motor-Operated Appliances ANSI/UL 79 Power-Operated Pumps for Petroleum Products Dispensing Systems ANSI/UL 80 Steel Inside Tanks for Oil Burner Fuel ANSI/UL 82 Electric Gardening Appliances ANSI/UL 83 Thermoplastic-Insulated Wires And Cables ANSI/UL 87 Power-Operated Dispensing Devices for Petroleum Products ANSI/UL 92 Fire Extinguisher and Booster Hose ANSI/UL 94 Tests for Flammability of Plastic Materials for Parts in Devices and Appliances ANSI/UL 96 Lightning Protection Components UL 98 Enclosed and Dead-Front Switches UL 104 Elevator Door Locking Devices And Contacts UL 109 Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use ANSI/UL 122 Photographic Equipment ANSI/UL 123 Oxy-Fuel Gas Torches</p>	<p>UL 125 Valves for Anhydrous Ammonia And LP-Gas (Other Than Safety Relief) ANSI/UL 130 Electric Heating Pads UL 132 Safety Relief Valves for Anhydrous Ammonia and LP-Gas UL 141 Garment Finishing Appliances ANSI/UL 142 Steel Aboveground Tanks for Flammable and Combustible Liquids ANSI/UL 144 Pressure Regulating Valves For LP-Gas ANSI/UL 147 LP- and MPS-Gas Torches UL 147A Nonrefillable (Disposable) Type Fuel Gas Cylinder Assemblies UL 147B Nonrefillable (Disposable) Type Metal Container Assemblies for Butane ANSI/UL 150 Antenna Rotators ANSI/UL 153 Portable Electric Lamps ANSI/UL 154 Carbon Dioxide Fire Extinguishers UL 155 Tests for Fire Resistance of Vault and File Room Doors UL 162 Foam Equipment and Liquid Concentrates ANSI/UL 174 Household Electric Storage-Tank Water Heaters ANSI/UL 180 Liquid-Level Indicating Gauges and Tank-Filling Signals For Petroleum Products UL 181 Factory-Made Air Ducts and Air Connectors ANSI/UL 183 Manufactures Wiring Systems ANSI/UL 187 X-Ray Equipment ANSI/UL 193 Alarm Valves for Fire-Protection Service UL 194 Gasketed Joints for Ductile-Iron Pipe and Fittings for Fire Protection Service ANSI/UL 197 Commercial Electric Cooking Appliances UL 198M Mine-Duty Fuses ANSI/UL 199 Automatic Sprinklers for Fire -Protection Service UL 201 Standard for Garage Equipment ANSI/UL 203 Pipe Hanger Equipment for Fire-Protection Service ANSI/UL 207 Nonelectrical Refrigerant Containing Components and Accessories ANSI/UL 209 Cellular Metal Floor Electrical Raceways and Fittings UL 213 Rubber Gasketed Fittings for Fire-Protection Service ANSI/UL 217 Single and Multiple Station Smoke Detectors UL 218 Fire Pump Controllers ANSI/UL 224 Extruded Insulating Tubing UL 228 Door Closers-Holders, and Integral Smoke Detectors ANSI/UL 231 Electrical Power Outlets ANSI/UL 234 Low Voltage Lighting Fixtures For Use in Recreational Vehicles ANSI/UL 224A Solid-State Controls for Appliances</p>	April 9, 2021

City of Los Angeles
 RECOGNIZED ELECTRICAL TESTING LABORATORIES
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14.	UL LLC			April 9, 2021
	<p>Northbrook Office 333 Pfingsten Road Northbrook, IL 60062-2096 Tel. (708) 272-8800</p> <p>Research Triangle Park Office 12 Laboratory Drive Research Triangle Park, NC 27709 Tel. (919) 549-1400</p> <p>Fremont Office 47173 Benicia St Fremont, California 94583 Tel. (408) 754-6500</p> <p>Melville Office 1285 Walt Whitman Rd Melville, NY 11747 Tel. (516) 271-6200</p> <p>www.ul.com</p> <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	 <p>ANSI/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 ANSI/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 ANSI/UL 248-8 Low-Voltage Fuses—Part 8: Class J Fuses UL 248-9 Low-Voltage Fuses – Part 9: Class K Fuses ANSI/UL 248-10 Low-Voltage Fuses – Part 10: Class L Fuses UL 248-11 Low-Voltage Fuses – Part 11: Plug Fuses ANSI/UL 248-12 Low-Voltage Fuses – Part 12: Class R Fuses UL 248-13 Low-Voltage Fuses – Part 13: Semiconductor Fuses ANSI/UL 248-14 Low-Voltage Fuses – Part 14: Supplemental Fuses ANSI/UL 248-15 Low-Voltage Fuses – Part 15: Class T Fuses UL 248-16 Low-Voltage Fuses – Part 16: Test Limiters ANSI/UL 250 Household Refrigerators and Freezers ANSI/UL 252 Compressed Gas Regulators ANSI/UL 252A Compressed Gas Regulator Accessories UL 260 Dry Pipe and Deluge Valves for Fire-Protection Service UL 262 Gate Valves for Fire-Protection Service ANSI/UL 268 Smoke Detectors for Fire Protective Signaling Systems ANSI/UL 268A Smoke Detectors for Duct Application ANSI/UL 291 Automated Teller Systems ANSI/UL 294 Access Control System Units ANSI/UL 296 Oil Burners UL 296A Waste Oil-Burning Air-Heating Appliances ANSI/UL 298 Portable Electric Hand Lamps ANSI/UL 299 Dry Chemical Fire Extinguishers UL 300 Fire Testing of Fire Extinguishing Systems for Protection of Restaurant Cooking Areas UL 305 Panic Hardware UL 307A Liquid Fuel-Burning Heating Appliances for Manufactured Homes and Recreational Vehicles UL 307B Gas Burner ANSI/UL 310 Electrical Quick-Connect Terminals ANSI/UL 312 Check Valves for Fire-Protection Service ANSI/UL 325 Door, Drapery, Gate, Louver, and Window Operators and Systems UL 330 Gasoline Hose ANSI/UL 331 Strainers for Flammable Fluids and Anhydrous Ammonia ANSI/UL 343 Pumps of Oil-Burning Appliances ANSI/UL 346 Water flow Indicators for Fire Protective Signaling Systems ANSI/UL 347 High-Voltage Industrial Control Equipment</p>	<p>ANSI/UL 351 Electrical Rosettes ANSI/UL 353 Limit Controls ANSI/UL 355 Electric Cord Reels ANSI/UL 360 Liquid Tight Flexible Steel Conduit ANSI/UL 363 Knife Switches ANSI/UL 365 Police Station Connected Burglar Alarm Units and Systems ANSI/UL 372 Primary Safety Controls for Gas-and Oil-Fired Appliances UL 378 Draft Equipment ANSI/UL 385 Play Pipes for Water Supply Testing in Fire Protection Service ANSI/UL 391 Solid-Fuel and Combination-Fuel Control and Supplementary Furnaces ANSI/UL 393 Indicating Pressure Gauges for Fire Protection Service ANSI/UL 399 Drinking-Water Coolers UL 404 Gauges, Indicating Pressure, for Compressed Gas Service UL 407 Manifolds for Compressed Gases ANSI/UL 412 Refrigeration Unit Coolers ANSI/UL 414 Electrical Meter Sockets UL 416 Refrigerated Medical Equipment ANSI/UL 427 Refrigerating Units ANSI/UL 429 Electrically Operated Valves ANSI/UL 430 Electric Waste Disposers UL 441 Standard for Gas Vents ANSI/UL 443 Steel Auxillary Tanks for Oil-Burner Fuel UL 444 Communications Cables ANSI/UL 448 Pumps for Fire Protection Service ANSI/UL 452 Antenna Discharge Units ANSI/UL 464 Audible Signal Appliances ANSI/UL 466 Electric Scales ANSI/UL 467 Electrical Grounding and Bonding Equipment ANSI/UL 469 Musical Instruments and Accessories ANSI/UL 471 Commercial Refrigerators And Freezers ANSI/UL 474 Dehumidifiers ANSI/UL 482 Portable Sun/Heat Lamps ANSI/UL 484 Room Air Conditioners ANSI/UL 486A Wire Connectors and Soldering Lugs for Use With Copper Conductors ANSI/UL 486B Wire Connectors for Use With Aluminum Conductors ANSI/UL 486C Splicing Wire Connectors ANSI/UL 486D Insulated Wire Connectors For Use With Underground Conductors ANSI/UL 486E Equipment Wiring Terminals for Use With Aluminum and/or Copper Conductors ANSI/UL 489 Molded-Case Circuit Breakers and Circuit-Breaker Enclosures ANSI/UL 493 Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables</p> <p>ANSI/UL 495 Power-Operated Dispensing Devices for LP-Gas ANSI/UL 496 Edison-Base Lampholders ANSI/UL 497 Protectors for Communication Circuits UL 497A Secondary Protectors for Communication Circuits ANSI/UL 497B Protectors for Data Communication and Fire Alarm Circuits UL 497C Protectors for Coaxial Communications Circuits ANSI/UL 498 Attachment Plugs and Receptacles UL 498A Current Taps and Adapters</p>	

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(516) 271-6200</p> <p>www.ul.com</p> <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	 <p>ANSI/UL 499 Electric Heating Appliances ANSI/UL 506 Specialty Transformers ANSI/UL 507 Electric Fans ANSI/UL 508 Electric Industrial Control Equipment UL 508A Industrial Control Panels UL 508C Power Conversion Equipment ANSI/UL 510 Insulating Tape ANSI/UL 511 Porcelain Electrical Cleats, Knobs, and Tubes ANSI/UL 512 Fuseholders ANSI/UL 514A Metallic Outlet Boxes, Electrical ANSI/UL 514B Fittings for Conduit and Outlet Boxes ANSI/UL 514C Nonmetallic Outlet Boxes, Flush-Device Boxes and Covers UL 514D Cover Plates for Flush-Mounted Wiring Devices UL 515 Electrical Resistance Heat Tracing for Commercial and Industrial Applications ANSI/UL 521 Heat Detectors for Fire Protective Signaling Systems ANSI/UL 525 Flame Arresters for Use on Vents of Storage Tanks for Petroleum Oil and Gasoline UL 536 Flexible Metallic Hose ANSI/UL 539 Single and Multiple Station Heat Detectors ANSI/UL 541 Refrigerated Vending Machines ANSI/UL 542 Lamp-holders, Starters, and Starter Holders for Fluorescent Lamps UL 544 Electric Medical and Dental Equipment ANSI/UL 551 Transformer-Type Arc-Welding Machines ANSI/UL 555 Fire Dampers UL 555S Leakage Rated Dampers for Use in Smoke Control Systems ANSI/UL 558 Industrial Trucks, Internal Combustion Engine-Powered ANSI/UL 561 Floor Finishing Machines ANSI/UL 563 Ice Makers UL 565 Liquid Level Gauges and Indicators for Anhydrous Ammonia and LP-Gas ANSI/UL 567 Pipe Connectors for Flammable and Combustible Liquids and LP-Gas UL 568 Nonmetallic Cable Tray Systems ANSI/UL 569 Pigtails and Flexible Hoses ANSI/UL 574 Electric Oil Heater Electric-Battery-Powered Industrial Trucks ANSI/UL 588 Christmas-Tree and Decorative-Lighting Outfits ANSI/UL 603 Power Supplies for Use With Burglar-Alarm Systems UL 606 Linings and Screens for Use With Burglar-Alarm Systems ANSI/UL 609 Local Burglar-Alarm Units and Systems ANSI/UL 621 Ice Cream Makers ANSI/UL 626 2-1/2 Gallon Stored Pressure Water Type Fire Extinguishers ANSI/UL 632 Electrically Actuated Transmitters ANSI/UL 634 Connectors and Switches for Use With Burglar-Alarm Systems UL 635 Insulating Bushings ANSI/UL 636 Holdup Alarm Units and Systems ANSI/UL 639 Intrusion-Detection Units UL 641 Type L Low-Temperature Venting Systems ANSI/UL 644 Container Assemblies for LP-Gas ANSI/UL 651 Schedule 40 and 80 Rigid PVC Conduit</p>	<p>ANSI/UL 651A Type EB and A Rigid PVC Conduit and HDPE Conduit UL 651B Continuous Length HDPE Conduit UL 664 Commercial (Class IV) Electric Dry-Cleaning Machines ANSI/UL 668 Hose Valves for Fire Protection Service ANSI/UL 674 Electric Motors and Generators for Use in Hazardous (Classified) Locations ANSI/UL 676 Underwater Lighting Fixtures ANSI/UL 680 Emergency Vault Ventilators and Vault Ventilating Parts ANSI/UL 681 Installation and Classification of Mercantile and Bank Burglar-Alarm Systems ANSI/UL 696 Electric Toys ANSI/UL 697 Toy Transformers ANSI/UL 698 Industrial Control Equipment for Use in Hazardous (Classified) Locations UL 698A Industrial Control Panels Relating to Hazardous (Classified) Locations ANSI/UL 705 Power Ventilators UL 710 Grease Extractors for Exhaust Ducts ANSI/UL 711 Rating and Fire Testing of Fire Extinguishers ANSI/UL 719 Nonmetallic Sheathed Cables ANSI/UL 726 Oil-Fired Boiler Assemblies ANSI/UL 727 Oil-Fired Central Furnaces ANSI/UL 729 Oil-Fired Floor Furnaces ANSI/UL 730 Oil-Fired Wall Furnaces ANSI/UL 731 Oil-Fired Unit Heaters ANSI/UL 732 Oil-Fired Water Heaters UL 733 Oil-Fired Air Heaters and Direct-Fired Heaters ANSI/UL 745-1 Portable Electric Tools ANSI/UL 745-2-1 Particular Requirements of Drills ANSI/UL 745-2-2 Particular Requirements for Screwdrivers and Impact Wrenches ANSI/UL 745-2-3 Particular Requirements for Grinders, Polishers, and Disk-Type Sanders ANSI/UL 745-2-4 Particular Requirements for Sanders ANSI/UL 745-2-5 Particular Requirements for Circular Saws and Circular Knives ANSI/UL 745-2-6 Particular Requirements for Hammers ANSI/UL 745-2-8 Particular Requirements for Shears and Nibblers ANSI/UL 745-2-9 Particular Requirements for Tappers ANSI/UL 745-2-11 Particular Requirements for Reciprocating Saws ANSI/UL 745-2-12 Particular Requirements for Concrete Vibrators ANSI/UL 745-2-14 Particular Requirements for Planers ANSI/UL 745-2-17 Particular Requirements for Routers and Trimmers ANSI/UL 745-2-30 Particular Requirements for Staplers ANSI/UL 745-2-31 Particular Requirements for Diamond Core Drills ANSI/UL 745-2-32 Particular Requirements for Magnetic Drill Presses ANSI/UL 745-2-33 Particular Requirements for Portable Band saws ANSI/UL 745-2-34 Particular Requirements for Strapping Tools ANSI/UL 745-2-35 Particular Requirements for Drain Cleaners</p>	

City of Los Angeles
 RECOGNIZED ELECTRICAL TESTING LABORATORIES
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(516) 271-6200</p> <p>www.ul.com</p> <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	 <p>ANSI/UL 745-2-36 Particular Requirements for Hand Motor Tools ANSI/UL 745-2-37 Particular Requirements for Plate Jointers ANSI/UL 7456A Polymeric Materials—Short Term Property Evaluations ANSI/UL 746B Polymeric Materials—Long Term Property Evaluations ANSI/UL 746C Polymeric Materials—Use in Electrical Equipment Evaluations ANSI/UL 746E Polymeric Materials—Industrial Laminates, Filament Wound Tubing, Vulcanized Fiber, are Materials Used in Printed Wiring Boards ANSI/UL 749 Household Dishwashers ANSI/UL 751 Vending Machines ANSI/UL 753 Alarm Accessories for Automatic Water-Supply Control Valves for Fire-Protection Service ANSI/UL 756 Coin and Currency Changers and Actuators UL 763 Motor-Operated Commercial Food Preparing Machines ANSI/UL 773 Plug-In-Locking-Type Photo controls for Use With Area Lighting ANSI/UL 773A Nonindustrial Photoelectric Switches for Lighting Control UL 775 Graphic Arts Equipment ANSI/UL 778 Motor-Operated Water Pumps ANSI/UL 781 Portable Electric Lighting Units for Use in Hazardous (Classified) Locations ANSI/UL 783 Electric Flashlights and Lanterns for Use in Hazardous Locations, Class I, Group C and D UL 789 Indicator Posts for Fire-Protection Service UL 791 Residential Incinerators UL 795 Commercial-Industrial Gas-Heating Equipment ANSI/UL 796 Printed-Wiring Boards ANSI/UL 797 Electrical Metallic Tubing UL 797A Electrical Metallic Tubing – Aluminum UL 810 Capacitors ANSI/UL 813 Commercial Audio Equipment ANSI/UL 814 Gas-Tube-Sign and Ignition Cable ANSI/UL 817 Cord Sets and Power-Supply Cords ANSI/UL 823 Electric Heaters for Use in Hazardous (Classified) Locations ANSI/UL 826 Household Electric Clocks ANSI/UL 827 Central Stations for Watchman, Fire-Alarm, and Supervisory Services ANSI/UL 834 Heating, Water Supply, and Power Boilers - - Electric UL 842 Valves for Flammable Fluids ANSI/UL 844 Electric Lighting Fixtures for Use in Hazardous (Classified) Locations ANSI/UL 845 Electric Motor Control Centers ANSI/UL 854 Service Entrance Cable ANSI/UL 857 Electric Busways and Associated Fittings ANSI/UL 858 Household Electric Ranges UL 858A Safety-Related Solid-State Controls for Electric Ranges ANSI/UL 859 Personal Grooming Appliance UL 860 Pipe Unions for Flammable and Combustible Fluids and Fire Protection Service ANSI/UL 863 Electric Time-Indicating and – Recording Appliances</p>	<p>ANSI/UL 865 Control Units for Fire-Protective Signaling Systems ANSI/UL 867 Electrostatic Air Cleaners ANSI/UL 869A Reference Standard for Service Equipment ANSI/UL 870 Wireways, Auxillary Gutters, and Associated Fittings ANSI/UL 873 Electrical Temperature-Indicating and –Regulating Equipment ANSI/UL 875 Electric Dry Bath Heaters ANSI/UL 877 Circuit Breakers and Circuit-Breaker Enclosure for Use in Hazardous (Classified) Locations ANSI/UL 879 Electrode Receptacles for Gas-Tube Signs ANSI/UL 884 Underfloor Electrical Raceways and fittings ANSI/UL 886 Electrical Outlet Boxes and Fittings for Use in Hazardous (Classified) Locations ANSI/UL 887 Delayed-Action Timelocks ANSI/UL 891 Dead-Front Electrical Switchboards ANSI/UL 894 Switches for Use in Hazardous (Classified) Locations UL 896 Oil-Burning Stoves ANSI/UL 913 Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division I, Hazardous (Classified) Locations ANSI/UL 916 Energy Management Equipment ANSI/UL 917 Clock-Operated Switches ANSI/UL 921 Commercial Electric Dishwashers ANSI/UL 923 Microwave Cooking Appliances ANSI/UL 924 Emergency Lighting and Power Equipment ANSI/UL 935 Fluorescent-Lamp Ballasts ANSI/UL 943 Ground-Fault Circuit Interrupters UL 943B Appliance Leakage-Current Interrupters ANSI/UL 961 Hobby and Sports Equipment UL 963 Sealing, Wrapping, and Marking Equipment ANSI/UL 964 Electrically Heating Bedding ANSI/UL 969 Marking and Labeling Systems ANSI/UL 977 Fused Power-Circuit Devices ANSI/UL 982 Motor-Operated Food Preparing Machines ANSI/UL 983 Surveillance Cameras ANSI/UL 984 Hermetic Refrigerant Motor-Compressors ANSI/UL 985 Household Fire Warning System Units ANSI/UL 987 Stationary and Fixed Electric Tools UL 991 Tests for Safety-Related Controls Employing Solid-State Devices ANSI/UL 998 Humidifiers ANSI/UL 1002 Electrically Operated Valve for Use in Hazardous (Classified) Locations ANSI/UL 1004 Electric Motors UL 1004A Fire Pump Motors ANSI/UL 1005 Electric Flatirons ANSI/UL 1008 Automatic Transfer Switches ANSI/UL 1010 Receptacle-Plug Combinations for Use in Hazardous (Classified) Locations ANSI/UL 1012 Power Supplies ANSI/UL 1017 Electric Vacuum Cleaning Machines and Blower Cleaners ANSI/UL 1018 Electric Aquarium Equipment</p>	

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(516) 271-6200</p> <p>www.ul.com</p> <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>ANSI/UL 1020 Thermal Cutoffs for Use in Electrical Appliances and Components UL 1022 Line Isolated Monitors ANSI/UL 1023 Household Burglar-Alarm System Units ANSI/UL 1029 High-Intensity Discharge Lamp Ballasts ANSI/UL 1030 Sheathed Heater Elements ANSI/UL 1034 Burglary Resistant Electric Locking Mechanisms ANSI/UL 1037 Antitheft Alarms and Devices ANSI/UL 1042 Electric Baseboard Heating Equipment UL 1047 Isolated Power Systems Equipment ANSI/UL 1053 Ground-Fault Sensing and Relaying Equipment ANSI/UL 1054 Special-Use Switches ANSI/UL 1058 Halogenated Agent Extinguishing System Units UL 1059 Terminal Blocks ANSI/UL 1062 Unit Substations ANSI/UL 1063 Machine-Tool Wires and Cables UL 1066 Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures ANSI/UL 1069 Hospital Signaling and Nurse Call Equipment ANSI/UL 1072 Medium Voltage Power Cables UL 1075 Gas Fired Cooling Appliances for Recreational Vehicles ANSI/UL 1076 Proprietary Burglar-Alarm Units and Systems ANSI/UL 1077 Supplementary Protectors for Use in Electrical Equipment ANSI/UL 1081 Electric Swimming Pool Pumps, Filters and Chlorinators ANSI/UL 1082 Household Electric Coffee Makers and Brewing-Type Appliances ANSI/UL 1083 Household Electric Skillets and Frying-Type Appliances ANSI/UL 1086 Household Trash Compactors ANSI/UL 1088 Temporary Lighting Strings ANSI/UL 1090 Electric Snow Movers ANSI/UL 1091 Butterfly Valves for Fire Protection Service ANSI/UL 1093 Halogenated Agent Fire Extinguishers ANSI/UL 1097 Double Insulation Systems for Use in electrical Equipment ANSI/UL 1203 Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations UL 1206 Electric Commercial Clothes-Washing Equipment ANSI/UL 1207 Sewage Pumps for Use in Hazardous (Classified) Locations ANSI/UL 1230 Amateur Movie Lights UL 1236 Electric Battery Chargers ANSI/UL 1238 Control Equipment for Use With Flammable Liquid Dispensing Devices UL 1240 Electric Commercial Clothes-Drying Equipment ANSI/UL 1241 Junction Boxes for Swimming Pool Lighting Fixtures ANSI/UL 1242 Intermediate Metal Conduit UL 1244 Electrical and Electronic Measuring and Testing Equipment ANSI/UL 1247 Diesel Engines for Driving Centrifugal Fire Pumps</p>	<p>UL 1248 Engine-Generator Assemblies for Use in Recreational Vehicles UL 1254 Pre-Engineered Dry Chemical Extinguishing System Units ANSI/UL 1261 Electric Water Heaters for Pools and Tubs ANSI/UL 1262 Laboratory Equipment ANSI/UL 1277 Electrical Power Control Tray Cables With Optional Optical-Fiber Members UL 1278 Movable and Wall- or Ceiling-Hung electric Room Heaters ANSI/UL 1283 Electromagnetic-Interference Filter UL 1285 Pipe and Couplings, Polyvinyl Chloride ANSI/UL 1286 Office Furnishings ANSI/UL 1310 Direct Plug-In Transformer Units ANSI/UL 1313 Nonmetallic Safety Cans for Petroleum Products ANSI/UL 1314 Special-Purpose Containers ANSI/UL 1316 Glass-Fiber-Reinforced Plastic Underground Storage Tanks for Petroleum Products ANSI/UL 1322 Fabricated Scaffold Planks and Stages UL 1323 Scaffold Hoists ANSI/UL 1332 Organic Coatings for Steel Enclosures for Outdoor Use Electrical Equipment UL 1363 Temporary Power Taps ANSI/UL 1411 Transformers and Motor Transformers for Use in Audio-, Radio-, and Television-Type Appliances ANSI/UL 1412 Fusing Resistors and Temperature-Limited Resistors for Radio-, and Television-Type Appliances ANSI/UL 1413 High-Voltage Components for Television-Type Appliances ANSI/UL 1414 Across-the-Line, Antenna-Coupling, and Line-by-Pass Capacitors for Radio- and Television-Type Appliances ANSI/UL 1416 Overcurrent and Overtemperature Protectors for Radio- and Television-Type Appliances ANSI/UL 1417 Special Fuses for Radio- and Television-Type Appliances ANSI/UL 1419 Professional Video and Audio Equipment UL 1424 Cables for Power-Limited Fire-Protective-Signaling Circuits UL 1425 Cables for Non-Power Limited Fire-Alarm Circuits ANSI/UL 1429 Pullout Switches ANSI/UL 1431 Personal Hygiene and Health Care Appliances ANSI/UL 1433 Control Centers for Changing Message Type Electric Signs UL 1434 Thermistor-Type Devices ANSI/UL 1436 Outlet Circuit Testers and Similar Indicating Devices UL 1437 Electrical Analog Instruments, Panelboard Types ANSI/UL 1441 Coated Electrical Sleeving ANSI/UL 1445 Electric Water Bed Heaters ANSI/UL 1446 Systems of Insulating Materials - - General ANSI/UL 1447 Electric Lawn Mowers ANSI/UL 1448 Electric Hedge Trimmers UL 1449 Transient Voltage Surge Suppressors</p>	

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(516) 271-6200</p> <p>www.ul.com</p> <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>ANSI/UL 1450 Motor-Operated Air Compressors, Vacuum Pumps and Painting Equipment ANSI/UL 1453 Electric Booster and Commercial Storage Tank Water Heaters ANSI/UL 1468 Direct-Acting Pressure-Reducing and Pressure-Control Valves for Fire Protection Service UL 1472 Solid-State Dimming Controls ANSI/UL 1474 Adjustable Drop Nipples for Sprinkler Systems ANSI/UL 1478 Fire Pump Relief Valves ANSI/UL 1480 Speakers for Fire Protective Signaling Systems ANSI/UL 1481 Power Supplies for Fire Protective Signaling Systems UL 1482 Solid-Fuel Type Room Heaters ANSI/UL 1484 Residential Gas Detectors UL 1486 Quick Opening Devices for Dry Pipe Valves for Fire-Protection Service UL 1492 Audio and Video Equipment ANSI/UL 1557 Electrically Isolated Semiconductor Devices UL 1558 Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear ANSI/UL 1559 Insect-Control Equipment, Electrocutation Type ANSI/UL 1561 Large General Purpose Transformers UL 1562 Transformers, Distribution, Dry Type - - Over 600 Volts ANSI/UL 1563 Electric Hot Tubs, Spas, and Associated Equipment ANSI/UL 1564 Industrial Battery Chargers ANSI/UL 1565 Wire Positioning Devices UL 1567 Receptacles and Switches Intended for Use With Aluminum Wire ANSI/UL 1569 Metal-Clad Cables ANSI/UL 1573 Stage and Studio Lighting Units ANSI/UL 1574 Track Lighting Systems ANSI/UL 1577 Optical Isolators ANSI/UL 1581 Reference Standard for Electrical Wires, Cables, and Flexible Cords ANSI/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 ANSI/UL 1610 Central-Station Burglar-Alarm Units ANSI/UL 1635 Digital Burglar Alarm Communicator System Units ANSI/UL 1637 Home Health Care Signaling Equipment ANSI/UL 1638 Visual Signaling Appliances UL 1640 Portable Power Distribution Equipment ANSI/UL 1647 Motor-Operated Massage and Exercise Machines UL 1651 Optical Fiber Cable UL 1653 Electrical Nonmetallic Tubing UL 1655 Community-Antenna Television Cables UL 1660 Liquid-Tight Flexible Nonmetallic Conduit ANSI/UL 1662 Electric Chain Saws ANSI/UL 1664 Immersion-Detection Circuit-Interrupters UL 1684 Reinforced Thermosetting Resin Conduit UL 1686 Pin and Sleeve Configurations UL 1690 Data-Processing Cable ANSI/UL 1692 Polymeric Materials - - Coil Forms</p>	<p>UL 1693 Electric Radiant Heating Panels and Heating Panel Sets UL 1694 Tests for Flammability of Small Polymeric Component UL 1699 Arc-Fault Circuit-Interrupters ANSI/UL 1703 Flat Plate Photo Voltaic Modules and Panels ANSI/UL 1711 Amplifiers for Fire Protective Signaling Systems UL 1713 Pressure Pipe and Coupling, Glass Fiber-Reinforced, for Underground Fire Service ANSI/UL 1726 Automatic Drain Valves for Standpipe Systems ANSI/UL 1727 Commercial Electric Personal Grooming Appliances UL 1730 Smoke Detector Monitors and Accessories for Individual Living Units of Multifamily Residences and Hotel/Motel Rooms UL 1738 Venting Systems for Gas-Burning Appliances, Categories II, III, and IV ANSI/UL 1739 Pilot-Operated Pressure-Control Valves for Fire-Protection Service ANSI/UL 1740 Industrial Robots and Robotic Equipment UL 1741 Inverters, Converters, and Controllers for Use in Independent Power Systems UL 1767 Early-Suppression Fast-Response Sprinklers ANSI/UL 1769 Cylinder Valves ANSI/UL 1773 Termination Boxes UL 1776 High-Pressure Cleaning Machines UL 1778 Uninterruptible Power Supply Equipment ANSI/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 UL 1838 Low Voltage Landscape Lighting Systems UL 1863 Communication Circuit Accessories ANSI/UL 1876 Isolating Signal and Feedback Transformers for Use in Electronic Equipment UL 1887 Fire Test of Plastic Sprinkler Pipe for Flame and Smoke Characteristics UL 1889 Commercial Filters for Cooking Oil UL 1917 Solid-State Fan Speed Controls UL 1951 Electric Plumbing Accessories ANSI/UL 1963 Refrigerant Recovery/Recycling Equipment ANSI/UL 1971 Signaling Devices for the Hearing Impaired UL 1977 Component Connectors for Use in Data, Signal, Control and Power Applications ANSI/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 2006 Halon 1211 Recovery/ Recharge Equipment UL 2017 General Purpose Signaling Devices and Systems UL 2021 Fixed and Location - Dedicated Electric Room Heaters UL 2024 Optical Fiber Cable Raceway UL 2034 Single and Multiple Station Carbon Monoxide Detectors</p>	<p>April 9, 2021</p>

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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</p>	<p>UL 60730-2-4 Automatic Electrical Controls for Household and Similar Use, Part 2: Particular Requirements for Thermal Motor Protectors for Motor-Compressors of Hermetic and Sensing Hermetic Type UL 60730-2-6 Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Automatic Electrical Pressure Sensing Controls Including Mechanical Requirements UL 60730-2-7 Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Timers and Time Switches UL 60730-2-9 Automatic electrical Controls for Household and Similar Use; Part 2: Particular Requirements UL 60730-2-10A Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Motor Starting Relays UL 60730-2-11A Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Energy Regulators UL 60730-2-12A Automatic electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Electrically Operated Door Locks UL 60730-2-13A Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Humidity Sensing Controls UL 60730-2-14 Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Electric Actuators 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 UL 61010A-2-010 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Equipment for the Heating of Materials UL 61010A-2-020 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Centrifuges UL 61010A-2-041 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Autoclaves Using Steam for the Treatment of Medical Materials for Laboratory Processes UL 61010A-2-042 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Autoclaves and Sterilizers Using Toxic Gas for the Treatment of Medical Materials, and for Laboratory Processes UL 61010A-2-051 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Equipment Mixing and Stirring UL 61010-2-061 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Atomic Spectrometers with Thermal Atomization and Ionization UL 61010B-1 Electrical Measuring and Test Equipment; Part 1: General Requirements UL 61010B-2-031 Electrical Equipment for Measurement, Control, and Laboratory Use; Part 2: Particular Requirements for Hand-Held Probe Assemblies for Electrical Measurement and Test UL 61010C-1 Process Control Equipment UL 61058-1 Switches for Appliances UL 8750 Light Emitting Diode (LED) Equipment for use in lighting products</p>

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SGS North America, Inc.

620 Old Peachtree Rd
 Suwanee, GA 30024
 Tel. (770) 570-1800
www.us.sgs.com

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ANSI/UL 1 Flexible Metal Conduit
 ANSI/UL 3 Flexible Nonmetallic Tubing for Electric Wiring
 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
 UL 201 Garage Equipment
 UL 48 Electric Signs
 UL 65 Wired Cabinets
 UL 73 Motor-Operated Appliances
 UL 82 Electric Gardening Appliances
 ANSI/UL 94 Tests for Flammability of Plastic Materials for Parts in Devices and Appliances
 UL 153 Electric Luminaires
 UL 174 Household Electric Storage Tank Water Heaters
 UL 197 Commercial Electric Cooking Appliances
 UL 234 Low Voltage Lighting Fixtures for Use in Recreational Vehicles
 ANSI/UL 250 Household Refrigerators and Freezers
 UL 471 Commercial Refrigerators and Freezers
 UL 482 Portable Sun/Heat Lamps
 UL 496 Lamp holders
 UL 499 Electric Heating Appliances
 UL 507 Electric Fans
 UL 508A Industrial Control Panels
 UL 541 Refrigerated Vending Machines
 UL 561 Floor-Finishing Machines
 UL 563 Ice Makers
 UL 583 Electric-Battery-Powered Industrial Trucks
 UL 588 Seasonal and Holiday Decorative Products
 UL 621 Ice Cream Makers
 UL 674 Electric Motors and Generators for Use in Hazardous (Classified) Location
 UL 676 Underwater Luminaires and Submersible Junction Boxes
 ANSI/UL 696 Electric Toys
 UL 698A Industrial Control Panels Relating to Hazardous (Classified) Locations
 ANSI/UL 697 Toy Transformers
 UL 749 Household Dishwashers
 ANSI/UL 751 Vending Machines
 UL 763 Motor-Operated Commercial Food Preparing Machines
 UL 775 Graphic Arts Equipment
 UL 778 Standard for Motor-Operated Water Pumps
 UL 783 Electric Flashlights and Lanterns for Use in Hazardous (Classified) Locations
 UL 844 Electric Lighting Fixtures for Use in Hazardous (Classified) Locations
 UL 858 Household Electric Ranges
 UL 859 Household Electric Personal Grooming Appliances
 UL 867 Electrostatic Air Cleaners
 ANSI/UL 913 Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division I, Hazardous (Classified) Locations
 UL 921 Commercial Dishwashers
 UL 923 Microwave Cooking Appliances
 UL 924 Emergency Lighting and Power Equipment
 UL 935 Fluorescent-Lamp Ballast
 UL 962 Household and Commercial Furnishing
 UL 979 Water Treatment Appliances
 UL 982 Motor-Operated Household Food Preparing Machines
 UL 998 Humidifiers

ANSI/UL 1012 Power Supplies
 UL 1004-1 Rotating Electrical Machines-General Requirements
 UL 1004-9 Form Wound and Medium Voltage Rotating Electrical Machines
 UL 1017 Vacuum Cleaners, Blower Cleaners, and Household Floor Finishing Machines
 UL 1203 Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations
 UL 1026 Electric Household Cooking and Food Serving Appliances
 UL 1028 Hair Clipping and Shaving Appliances
 UL 1029 High-Intensity-Discharge Lamp Ballasts
 UL 1082 Household Electric Coffee Makers and Brewing-Type Appliances
 UL 1083 Household Electric Skillets and Frying-Type Appliances
 UL 1088 Temporary Lighting Strings
 UL 1206 Electric Commercial Clothes-Washing Equipment
 UL 1236 Electric Battery Chargers
 UL 1240 Electric Commercial Clothes-Drying Equipment
 UL 1278 Movable and Wall- or Ceiling-Hung Electric Room Heaters
 ANSI/UL 1310 Class 2 Power Units
 UL 1431 Personal Hygiene and Health Care Appliances
 UL 1450 Motor-Operated Air Compressors, Vacuum Pumps, and Painting Equipment
 UL 1573 Stage and Studio Luminaires and Connector Strips
 UL 1574 Track Lighting Systems
 UL 1598 Luminaires
 UL 1598A Supplemental Requirements for Luminaires for Installation on Marine Vessels
 UL 1598C Light Emitting Diode (LED) Retrofit Luminaire Conversion Kits
 UL 1647 Motor-Operated Massage and Exercise Machines
 UL 1741 Inverters, Converters, and Controllers for Use in Independent Power Systems
 UL 1786 Direct Plug-in Nightlights
 UL 1778 Uninterruptable Power Systems
 UL 1838 Low Voltage Landscape Lighting System
 UL 1993 Self-Ballasted Lamps and Lamp Adapters
 UL 1995 Heating and Cooling Equipment
 UL 2108 Low Voltage Lighting Systems
 UL 2021 Fixed and Location-Dedicated Electric Room Heaters
 UL 2089 Vehicle Battery Adapters
 UL 2157 Electric Clothes Washing Machines and Extractors
 UL 2158 Electric Clothes Dryer
 UL 2388 Flexible Lighting Products
 UL 3703 Solar Trackers
 UL 6141 Wind Turbines Permitting Entry of Personnel
 UL 6142 Small Wind Turbine Systems
 ANSI/UL 6500 Audio/Visual and Musical Instrument Apparatus for Household, Commercial and Similar General Use
 UL 8750 Light Emitting Diode (LED) Equipment for use in lighting products

September 1, 2019

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15.	 <p>SGS North America, Inc.</p> <p>620 Old Peachtree Rd Suwanee, GA 30024 Tel. (770) 570-1800 www.us.sgs.com</p> <p>Note: Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<ul style="list-style-type: none"> UL 8752 Organic Light Emitting Diode (OLED) Panels UL 9540 Energy Storage Systems and Equipment UL 60065 Audio, Video and Similar Electronic Apparatus UL 60335-1 Safety of Household and Similar Electrical Appliances, Part 1: General Requirements UL 60335-2-3 Standard for Safety of Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electric Irons UL 60335-2-8 Standard for Safety for Household and Similar Electrical Appliances, Part 2: Shaver, Hair Clipper and Similar Appliances UL 60335-2-24 Safety Requirement for Household and Similar Electrical Appliances, Part 2: Refrigerating Appliances, Ice-Cream Appliances, and Ice-Makers UL 60335-2-40 Safety of Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers UL 60601-1 Medical Electrical Equipment, Part 1: General Requirements for Safety UL 60745-1 Hand-Held Motor-Operated Electric Tools-Safety-Part 1: General UL 60745-2-1 Particular Requirements for Drills and Impact Drills UL 60745-2-2 Particular Requirements for Screwdrivers and Impact Wrenches UL 60745-2-3 Particular Requirements for Grinders, Polishers and Disk-Type Sanders UL 60745-2-4 Particular Requirements for Sanders and Polishers Other Than Disk Type UL 60745-2-5 Particular Requirements for Circular Saws UL 60745-2-6 Particular Requirements for Hammers UL 60745-2-8 Particular Requirements for Shears and Nibblers UL 60745-2-9 Particular Requirements for Tappers UL 60745-2-11 Particular Requirements for Reciprocating Saws UL 60745-2-12 Particular Requirements for Concrete Vibrators UL 60745-2-13 Particular Requirements For Chain Saws UL 60745-2-14 Particular Requirements for Planers UL 60745-2-15 Particular Requirements for Hedge Trimmers UL 60745-2-16 Particular Requirements for Tackers UL 60745-2-17 Particular Requirements for Routers and Trimmers UL 60745-2-18 Hand-Held Motor-Operated Electric Tools - Safety - Part 2 -18: Particular Requirements for Strapping Tools UL 60745-2-19 Hand-Held Motor-Operated Electric Tools - Safety - Part 2-19: Particular Requirements for Jointers UL 60745-2-20 Hand-Held Motor-Operated Electric Tools - Safety - Part 2-20: Particular Requirements for Band Saws UL 60745-2-21 Hand-Held Motor-Operated Electric Tools - Safety - Part 2-21: Particular Requirements for Drain Cleaners UL 60745-2-22 Hand-Held Motor-Operated Electric Tools - Safety - Part 2-22: Particular Requirements for Cut-Off Machines UL 60950 Information Technology Equipment 	<ul style="list-style-type: none"> UL 60950-1 Information Technology Equipment Safety - Part 1: General Requirements UL 60950-22 Information Technology Equipment Safety - Part 22: Equipment to be Installed Outdoors UL 61010-1 Electrical Equipment for Laboratory Use; Part 1: General Requirements UL 61010B-1 Electrical Measuring and Test Equipment; Part 1: General Requirements UL 61010-2-010 Electrical Equipment for Measurement, Control, and Laboratory Use – Part 2-010: Particular Requirements for Laboratory Equipment for the Heating of Materials UL 61010-2-020 Electrical Equipment for Measurement, Control, and Laboratory Use – Part 2-020: Particular Requirements for Laboratory Centrifuges UL 61010-2-030 Electrical Equipment for Measurement, Control, and Laboratory Use – Part 2-030: Particular Requirements for Testing and Measuring Circuits UL 60335-1 Safety of Household and Similar Electrical Appliances, Part-1: General Requirements UL 60601-1 Medical Electrical Equipment-Part 1: General requirements for basic safety and essential performance UL 62109-1 Safety of Power Converters for Use in Photovoltaic Power Systems – Part.1: General Requirements UL 62368-1 Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements UL 62841-1 Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery—Safety—Part 1: General Requirements UL 62841-2-2 Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery—Safety—Part 2-2: Particular Requirements for Hand-Held Screwdrivers and Impact Wrenches UL 62841-2-4 Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery—Safety—Part 2-4: Particular Requirements for Hand-Held Sanders and Polishers Other Than Disc Type UL 62841-2-5 Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery—Safety—Part 2-5: Particular Requirements for Hand-Held Circular Saws UL 62841-2-9 Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery—Safety—Part 2-9: Particular Requirements for Hand-Held Tappers and Threaders UL 62841-2-14 Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery—Safety—Part 2-14: Particular Requirements for Hand-Held Planers UL 62841-3-1 Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery—Safety—Part 3-1: Particular Requirements for Transportable Table Saws

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