


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

**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**


<p>1.</p>	<p><b>City of Los Angeles          Electrical Testing Laboratory</b></p> <p>Main Office - Metro  <b>201 N. Figueroa St., Suite 500</b>  <b>Los Angeles, CA 90012</b>          Tel. (213) 482-6721</p>  <p>Electrical Test Lab Facility          Open Thursdays: 7:30 am - 11 am          Or by Appointments Only  <b>2319 Dorris Place</b>  <b>Los Angeles, CA 90031</b>          Tel. (323) 224-2168</p> <p><a href="http://www.LADBS.org">www.LADBS.org</a></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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2.	<p><b>Canadian Standards Association (CSA)</b></p> <p>Main Office - Toronto  <b>178 Rexdale Boulevard</b>  <b>Toronto, Ontario,</b>  <b>Canada M9W 1R3</b>                      Tel. (416) 747-4000</p>  <p>Montreal Office  <b>865 Ellingham St,</b>  <b>Pointe-Claire, Quebec,</b>  <b>Canada H9R 5E8</b></p> <p>Vancouver Office  <b>13799 Commerce Parkway</b>  <b>Richmond, British Columbia,</b>  <b>Canada V6V 2N9</b></p> <p>Edmonton Office  <b>1707 94th Street</b>  <b>Edmonton, Alberta,</b>  <b>Canada T6N 1E6</b></p> <p>Cleveland Office  <b>8501 E. Pleasant Valley Road</b>  <b>Cleveland, Ohio 44131</b>                      Tel. (216) 524-1990</p> <p>Irvine Office  <b>34 Bunsen</b>  <b>Irvine, CA 92618</b>                      Tel. (949) 733-4300</p> <p>Alpharetta Office                      6215 Shiloh Crossing Bldg 100, #A                      Alpharetta, GA 30005                      Tel (416) 747-4013</p> <p><a href="https://www.csagroup.org">https://www.csagroup.org</a></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><b>Only these CSA offices are recognized for:</b></p> <ul style="list-style-type: none"> <li>- All electrical equipment tested to the National Electrical Code and ANSI standards.</li> <li>- A "US" mark or approved equivalent marking shall be included in the equipment label at the proximity of the "CSA" marking</li> </ul> <p>ASME A.17.5 Elevators and Escalator Electrical Equipment</p> <p>ANSI C37.09 (1) Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis</p> <p>ANSI C37.013(1) AC High-Voltage Generator Circuit Breakers Rated on a Symmetrical</p> <p>ANSI C37.13 (1) Low-Voltage AC Power Circuit Breakers Used in Enclosures</p> <p>ANSI C37.14 (1) Low-Voltage DC Power Circuit Breakers Used in Enclosures</p> <p>ANSI C37.17 (1) Trip Devices for AC and General Purpose DC Low-Voltage Power Circuit Breakers</p> <p>ANSI C37.18 (1) Enclosed Field Discharge Circuit Breakers for Rotating Electric Machinery</p> <p>ANSI C37.20.1(1) Metal-Enclosed Low-Voltage Power circuit-Breaker Switchgear</p> <p>ANSI C37.20.2(1) Metal-Clad and Station-Type Cubicle Switchgear</p> <p>ANSI C37.20.3(1) Metal-Enclosed Interrupter Switchgear</p> <p>ANSI C37.21(1) Control Switchboards</p> <p>ANSI C37.23 (1) Metal Enclosed Bus and Calculating Losses in Isolated-Place Bus</p> <p>ANSI C37.29 (1) Low-Voltage AC Power Circuit Protectors Used in Enclosures</p> <p>ANSI C37.41 (1) Design Tests for High-Voltage Fuses, Distribution Enclosed Single Pole Air Switches, Fuse Disconnecting Switches and Accessories</p> <p>ANSI C37.45 (1) Distribution Enclosed Single-Pole Air Switches</p> <p>ANSI C37.46 (1) Specifications for Power Fuses and Fuse Disconnecting Switches</p> <p>ANSI C37.47 (1) Specifications for Distribution Fuse Disconnecting Switches, Fuse Supports, and Current-Limiting Fuses</p> <p>ANSI C37.50 (1) Low-Voltage AC Power Circuit Breakers Used in Enclosures - - Test Procedures</p> <p>ANSI C37.51 (1) Metal-Enclosed Low Voltage AC Power Circuit-Breaker Switchgear Assemblies - - Conformance Test Procedures</p> <p>ANSI C37.52 (1) Low-Voltage AC Power Circuit Protectors Used in Enclosures - - Test Procedures</p> <p>ANSI C37.53.1.(1) High-Voltage Current Motor-Starter Fuses - - Conformance Test Procedures</p> <p>ANSI C37.54 (1) Indoor Alternating-Current High Voltage Circuit Breakers Applied as Removable Elements in Metal-Enclosed Switchgear, Assemblies- - Conformance Test Procedures</p> <p>ANSI C37.55 (1) Metal-Clad Switchgear Assemblies - - Conformance Test Procedures</p> <p>ANSI C37.57 (1) Metal-Enclosed Interrupter Switchgear Assemblies - - Conformance Testing</p> <p>ANSI C37.58 (1) Indoor AC Medium-Voltage Switches for Use in Metal-Enclosed Switchgear - - Conformance Testing Procedures</p> <p>ANSI C37.66 (1) Oil-Filled Capacitor Switches for Alternating-Current Systems - - Requirements</p> <p>ANSI C37.121(1) Unit Substations - - Requirements</p> <p>ANSI C57.13 (1) Requirements for Instrument Transformers</p> <p>ANSI C62.11 (1) Metal Oxide Surge Arresters for AC Power Circuits</p> <p>ANSI S82.02.01 Electric and Electronic Test, Measuring, Controlling, and Related Equipment: General Requirement</p> <p>ANSI Z21.1 Household Cooking Gas Appliances</p> <p>ANSI Z21.5.1 Gas Clothes Dryers - - Type I</p> <p>ANSI Z21.5.2 Gas Clothes Dryers, Type 2, Volume II</p> <p>ANSI Z21.10.1 Gas Water Heaters - - Automatic Storage Type Water Heaters with Inputs of 70,000 Btu Per Hour or Less</p> <p>ANSI Z21.11.2 Gas-Fired Room Heaters - - Volume II - - Unrented Room</p> <p>ANSI Z21.15 Manually Operated Gas Valves</p> <p>ANSI Z21.17 Domestic gas Conversion Burners</p> <p>ANSI Z21.18 Gas Appliance Pressure Regulators</p> <p>ANSI Z21.19 Refrigerators Using Gas Fuel</p> <p>ANSI Z21.20 Automatic Gas Ignition Systems and Components</p> <p>ANSI Z21.21 Automatic Valves for Gas Appliances</p> <p>ANSI Z21.22 Relief Valves and Automatic Gas Shutoff Devices for Hot Water Supply Systems</p> <p>ANSI Z21.23 Gas Appliance Thermostats</p> <p>ANSI Z21.24 Metal Connectors for Gas Appliances</p>	<p>August 21, 2021</p>

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	<p>Main Office - Toronto  <b>178 Rexdale Boulevard</b>  <b>Toronto, Ontario,</b>  <b>Canada M9W 1R3</b>            Tel. (416) 747-4000</p> <p>Montreal Office  <b>865 Ellingham Street,</b>  <b>Pointe-Claire, Quebec,</b>  <b>Canada H9R 5E8</b></p> <p>Vancouver Office  <b>13799 Commerce Parkway</b>  <b>Richmond, British Columbia,</b>  <b>Canada V6V 2N9</b></p> <p>Edmonton Office  <b>1707 94th Street</b>  <b>Edmonton, Alberta,</b>  <b>Canada T6N 1E6</b></p> <p>Cleveland Office  <b>8501 E. Pleasant Valley Road</b>  <b>Cleveland, Ohio 44131</b>            Tel. (216) 524-1990</p> <p>Irvine Office  <b>34 Bunsen</b>  <b>Irvine, CA 92618</b>            Tel. (949) 733-4300</p> <p>Alpharetta Office            6215 Shiloh Crossing Bldg 100, #A            Alpharetta, GA 30005            Tel (416) 747-4013</p>		<p><b>Only these CSA offices are recognized for:</b></p> <ul style="list-style-type: none"> <li>- All electrical equipment tested to the National Electrical Code and ANSI standards.</li> <li>- A "US" mark or approved equivalent marking shall be included in the equipment label at the proximity of the "CSA" marking</li> </ul> <p>ANSI Z21.40.1 Gas-Fired Absorption Summer Air Conditioning Appliances            ANSI Z21.40.2 Gas-Fired, Work Activated Air-Conditioning and Heat Pump Appliances (internal Combustion            ANSI Z21.41 Quick-Disconnect Devices for Use with Gas Fuel            ANSI Z21.42 Gas-Fires Illuminating Appliances            ANSI Z21.47 Gas-Fired Central Furnaces            ANSI Z21.50 Vented Decorative Gas Appliances            ANSI Z21.54 Gas Hose Connectors for Portable Outdoor Gas-Fired Appliances            ANSI Z21.56 Gas-Fired Pool Heaters            ANSI Z21.57 Recreational Vehicle Cooking Gas Appliances</p> <p>ANSI Z21.58 Outdoor Cooking Gas Appliances            ANSI Z21.60 Decorative Gas Appliances for Installation in Vented Fireplaces            ANSI Z21.66 Automatic Vent Damper Devices for Use With Gas-Fired Appliances Electrically Operated</p> <p>ANSI Z21.69 Connectors for Movable Gas Appliances            ANSI Z21.73 Portable Camp Lanterns for Use With Propane Gas            ANSI Z21.74 Portable Refrigerators for Use With HD-5 Propane Gas            ANSI Z21.76 Gas-Fired Unvented Catalytic Room Heaters for Use With Liquefied Petroleum (LP) Gases</p> <p>ANSI Z83.4 Direct Gas-Fired Make-Up Air Heaters            ANSI Z83.7 Gas-Fired Construction Heaters            ANSI Z83.11 Gas Food Service Equipment - - Ranges and Unit Broilers            ANSI Z83.18 Direct Gas-Fired Industrial Air Heaters</p> <p>UL 1 Flexible Metal Conduit            UL 4 Armored Cable            UL 5 Surface Metal Raceways and Fittings            UL 5A Nonmetallic Surface Raceways and Fittings            UL 5B Strut-Type Channel Raceways and Fittings            UL 6 Rigid Metal Conduit            UL 13 Power-Limited Circuit Cables            UL 20 General-Use Snap Switches            UL 22 Electric Amusement Machines            UL 44 Rubber-Insulated Wires and Cables            UL 48 Electric Signs            UL 50 Electrical Cabinets and Boxes            UL 51 Power-Operated Pumps for Anhydrous Ammonia and LP-Gas            UL 62 Flexible Cord and Fixture Wire            UL 65 Electric Wired Cabinets            UL 67 Electric Panelboards            UL 69 Electric Fence Controllers            UL 73 Electric-Morot-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 96 Lightning Protection Components            UL 98 Enclosed and Dead-Front Switches            UL 104 Elevator Door Locking Devices            UL 122 Electric Photographic Equipment            UL 125 Valves for Anhydrous Ammonia and LP-Gas (Other Than Safety Relief)            UL 130 Electric Heating Pads            UL 132 Safety Relief Valves for Anhydrous Ammonia and LP-Gas            UL 141 Garment Finishing Appliances            UL 144 Pressure Regulating Valves for LP-Gas            UL 147 LP- and MPS-Gas Torches            UL 150 Antenna Rotators            UL 153 Portable Electric Lamps            UL 174 Household Electric Storage-Tank Water Heaters            UL 183 Manufactures Wiring Systems            UL 187 X-Ray Equipment</p>	
	<p><a href="https://www.csagroup.org">https://www.csagroup.org</a></p>			
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Vancouver Office  
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- UL 482 Portable Sun/Heat Lamps
- UL 484 Room Air Conditioners
- UL 486A Wire Connectors and Soldering Lugs for Use With Copper Conductors
- UL 486A-486B Wire Connectors
- UL 486C Splicing Wire Connectors
- UL 486D Insulated Wire Connectors for Use With Underground Conductors
- UL 486E Equipment Wiring Terminals for Use With Aluminum and/or Copper Conductors
- UL 489 Molded-Case Circuit Breakers and Circuit-Breaker Enclosures
- UL 489A Standard for Circuit Breakers for Use in Communications Equipment
- UL 493 Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables
- UL 495 Power-Operated Dispensing Devices for LP-Gas
- UL 496 Edison-Base Lampholders
- UL 497 Protectors for Communication Circuits
- UL 497A Secondary Protectors for Communication Circuits
- UL 497B Protectors for Data Communication and Fire Alarm Circuits
- UL 497C Protectors for Coaxial Communications Circuits
- UL 498 Attachment Plugs and Receptacles
- UL 498A Current Taps and Adapters
- UL 499 Electric Heating Appliances
- UL 406 Specialty Transformers
- UL 507 Electric Fans
- UL 508 Electric Industrial Control Equipment
- UL 508A Standard for Industrial Control Panels
- 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 515 Electrical Resistance Heat Tracing for Commercial and Industrial Equipment
- UL 536 Flexible Metallic Hose
- UL 541 Refrigerated Vending Machine
- UL 542 Lampholders, Starters, and Starter Holders for Fluorescent Lamps
- UL 544 Electric Medical and Dental Equipment
- UL 551 Transformer-Type Arc-Welding Machines
- UL 561 Floor Finishing Machines
- UL 563 Ice Makers
- UL 567 Pipe Connectors for Flammable and Combustible Liquids and LP-Gas
- UL 569 Pigtails and Flexible Hoses
- UL 574 Electric Oil Heater
- UL 588 Christmas-Tree and Decorative-Lighting Outfits
- UL 603 Power Supplies for Use With Burglar-Alarm Systems
- UL 609 Local Burglar-Alarm Units and Systems
- 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 651 Schedule 40 and 80 Rigid PVC Conduit
- UL 651A Type EB and A rigid PVC Conduit and HDPE Conduit
- UL 651B Continuous Length High Density Polyethylene Conduit
- UL 664 Commercial (Class IV) Electric Dry-Cleaning Machines
- UL 674 Electric Motors and Generators for Use in Hazardous (Classified) Locations
- UL 676 Underwater Lighting Fixtures
- UL 680 Emergency Vault Ventilators and Vault Ventilating Parts
- UL 696 Electric Toys
- UL 697 Toy Transformers
- UL 698 Industrial control Equipment for Use in Hazardous (Classified) Locations
- UL 705 Power Ventilators
- UL 710 Grease Extractors for Exhaust Ducts
- UL 719 Nonmetallic Sheathed Cables
- UL 726 Oil-Fired Boiler Assemblies
- UL 727 Oil-Fired Central Furnaces
- UL 733 Oil-Fired Air Heaters and Direct-Fired Heaters
- UL 745-1 Portable Electric Tools
- UL 745-2-1 Particular Requirements of Drills

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<p>2.</p>	<p><b>Canadian Standards Association (CSA)</b></p> <p>Main Office - Toronto  <b>178 Rexdale Boulevard</b>  <b>Toronto, Ontario,</b>  <b>Canada M9W 1R3</b>            Tel. (416) 747-4000</p>  <p>Montreal Office  <b>865 Ellingham Street,</b>  <b>Pointe-Claire, Quebec,</b>  <b>Canada H9R 5E8</b></p> <p>Vancouver Office  <b>13799 Commerce Parkway</b>  <b>Richmond, British Columbia,</b>  <b>Canada V6V 2N9</b></p> <p>Edmonton Office  <b>1707 94th Street</b>  <b>Edmonton, Alberta,</b>  <b>Canada T6N 1E6</b></p> <p>Cleveland Office  <b>8501 E. Pleasant Valley Road</b>  <b>Cleveland, Ohio 44131</b>            Tel. (216) 524-1990</p> <p>Irvine Office  <b>34 Bunsen</b>  <b>Irvine, CA 92618</b>            Tel. (949) 733-4300</p> <p>Alpharetta Office            6215 Shiloh Crossing Bldg 100, #A            Alpharetta, GA 30005            Tel (416) 747-4013</p> <p><a href="https://www.csagroup.org">https://www.csagroup.org</a></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><b>Only these CSA offices are recognized for:</b></p> <ul style="list-style-type: none"> <li>- All electrical equipment tested to the National Electrical Code and ANSI standards.</li> <li>- A "US" mark or approved equivalent marking shall be included in the equipment label at the proximity of the "CSA" marking</li> </ul> <p>UL 877 Circuit Breakers and Circuit-Breaker Enclosure for Use in Hazardous (Classified) Locations</p> <p>UL 879 Electrode Receptacles for Gas-Tub Signs</p> <p>UL 884 Underfloor Electrical Raceways and Fittings for Use in Hazardous (Classified) Locations</p> <p>UL 891 Dead-Front Electrical Switchboards</p> <p>UL 894 Switches for Use in Hazardous (Classified) Locations</p> <p>UL 896 Oil-Burning Stoves</p> <p>UL 913 Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous (Classified) Locations</p> <p>UL 916 Energy Management Equipment</p> <p>UL 917 Clock-Operated Switches</p> <p>UL 921 Commercial Electric Dishwashers</p> <p>UL 923 Microwave Cooking Appliances</p> <p>UL 924 Emergency Lighting and Power Equipment</p> <p>UL 935 Fluorescent Lamp Ballasts</p> <p>UL 943 Ground-Fault Circuit Interrupters</p> <p>UL 961 Hobby and Sports Equipment</p> <p>UL 963 Sealing, Wrapping, and Marking Equipment</p> <p>UL 964 Electrically Heating Bedding</p> <p>UL 969 Marking and Labeling Systems</p> <p>UL 977 Fused Power-Circuit Devices</p> <p>UL 982 Motor-Operated Food Preparing Machines</p> <p>UL 983 Surveillance Cameras</p> <p>UL 984 Hermetic Refrigerant Motor-Compressors</p> <p>UL 987 Stationary and Fixed Electric Tools</p> <p>UL 991 Tests for Safety-Related Controls Employing Solid-State Devices</p> <p>UL 998 Humidifiers</p> <p>UL 1002 Electrically Operated Valve for Use in Hazardous (Classified) Locations</p> <p>UL 1004 Electric Motors</p> <p>UL 1004-1 Rotating Electrical Machines</p> <p>UL 1005 Electric Flatirons</p> <p>UL 1008 Automatic-Transfer Switches</p> <p>UL 1010 Receptacle-Plug Combinations for Use in Hazardous (Classified) Locations</p> <p>UL 1012 Power Supplies</p> <p>UL 1017 Electric Vacuum Cleaning Machines and Blower Cleaners</p> <p>UL 1018 Electric Aquarium Equipment</p> <p>UL 1022 Line Isolated Monitors</p> <p>UL 1026 Electric Household Cooking and Food-Serving Appliances</p> <p>UL 1028 Electric Hair-Clipping and -Shaving Appliances</p> <p>UL 1029 High-Intensity Discharge Lamp Ballasts</p> <p>UL 1030 Sheathed Heater Elements</p> <p>UL 1037 Antitheft Alarms and Devices</p> <p>UL 1042 Electric Baseboard Heating Equipment</p> <p>UL 1047 Isolated Power Systems Equipment</p> <p>UL 1053 Ground-Fault Sensing and Relaying Equipment</p> <p>UL 1054 Special-Use Switches</p> <p>UL 1059 Terminal Blocks</p> <p>UL 1063 Machine-Tool Wires and Cables</p> <p>UL 1066 Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures</p> <p>UL 1069 Hospital Signaling and Nurse Call Equipment</p> <p>UL 1072 Medium Voltage Power Cables</p> <p>UL 1076 Proprietary Burglar-Alarm Units and Systems</p> <p>UL 1077 Supplementary Protectors for Use in Electrical Equipment</p> <p>UL 1081 Electric Swimming Pool Pumps, Filters and Chlorinators</p> <p>UL 1082 Household Electric Coffee Makers and Brewing-Type Appliances</p> <p>UL 1083 Household Electric Skillet and Frying-Type Appliances</p> <p>UL 1086 Household Trash Compactors</p> <p>UL 1088 Temporary Lighting Strings</p> <p>UL 1090 Electric Snow Movers</p> <p>UL 1097 Double Insulation systems for Use in Electrical Equipment</p> <p>UL 1203 Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations</p>	<p>August 21, 2021</p>

**NAMES**

**LIMITS OF APPROVAL**

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(949) 733-4300</p> <p>Alpharetta Office            6215 Shiloh Crossing Bldg 100, #A            Alpharetta, GA 30005            Tel (416) 747-4013</p> <p><a href="https://www.csagroup.org">https://www.csagroup.org</a></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><b>Only these CSA offices are recognized for:</b></p> <ul style="list-style-type: none"> <li>- All electrical equipment tested to the National Electrical Code and ANSI standards.</li> <li>- A "US" mark or approved equivalent marking shall be included in the equipment label at the proximity of the "CSA" marking</li> </ul> <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,            2021</p>



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<p>3.</p>	<p><b>Curtis-Straus LLC</b></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 Uninterruptable 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**


4.	<b>FM Approvals LLC</b> <b>(formerly Factory Mutual Research Corporation)</b>	<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</p> <p>ANSI S82.02.02 Electrical Equipment for Measurement, Control, and Laboratory Use</p> <p>ANSI Z8.1 Commercial Laundry and Dry-cleaning Equipment and Operations</p> <p>ANSI ICS 2 Industrial Control Devices, Controllers and Assemblies</p> <p>ANSI 12.12.01 Non-Incendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations</p> <p>ANSI 20 Centrifugal Fire Pumps</p> <p>UL 38 Manually Actuated Signaling Boxes for Use With Fire-Protective Signaling Systems</p> <p>ANSI 72 Installation, Maintenance, and Use of Protective Signaling Systems</p> <p>UL 346 Water flow Indicators for Fire Protective Signaling Systems</p> <p>UL 508 Electric Industrial Control Equipment</p> <p>UL 558 Industrial Trucks, Internal Combustion Engine-Powered</p> <p>UL 583 Electric-Battery-Powered Industrial Trucks</p> <p>UL 664 Commercial (Class IV) Electric Dry-Cleaning Machines</p> <p>UL 674 Electric Motors and Generators for Use in Hazardous (Classified) Locations</p> <p>UL 698 Industrial Control Equipment for Use in Hazardous (Classified) Locations</p> <p>UL 753 Alarms Accessories for Automatic Water-Supply Control Valves</p> <p>UL 781 Portable Electric Lighting Units for Use in Hazardous (Classified) Locations</p> <p>UL 823 Electric Heaters for Use in Hazardous (Classified) Locations</p> <p>UL 827 Central-Stations for Watchmen, Fire-Alarm, and Supervisory Services</p> <p>UL 844 Electric Lighting Fixtures for Use in Hazardous (Classified) Locations</p> <p>UL 863 Electric Time-Indicating and -Recording Appliances</p> <p>UL 864 Control Units for Fire-Protective Signaling Systems</p> <p>UL 877 Circuit Breakers and Circuit-Breaker Enclosure for Use in Hazardous (Classified) Locations</p> <p>UL 886 Electrical Outlet Boxes and Fittings for Use in Hazardous (Classified) Locations</p> <p>UL 894 Switches for Use in Hazardous (Classified) Locations</p> <p>UL 913 Intrinsically Safe Apparatus and Associated Apparatus for Use In Class I, II, and III, Division 1, Hazardous (Classified) Locations</p> <p>UL 1002 Electrically Operated Valve for Use in Hazardous (Classified) Locations</p> <p>UL 1203 Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations</p> <p>UL 1206 Electrical Commercial Clothes-Washing Equipment</p> <p>UL 1207 Sewage Pumps for Use in Hazardous (Classified) Locations</p> <p>UL 1236 Battery Chargers for Charging Engine-Starter Batteries</p> <p>UL 1240 Electric Commercial Clothes-Drying Equipment</p> <p>UL 1254 Pre-Engineered Dry Chemical Extinguishing System Units</p> <p>UL 1262 Laboratory Equipment FM 1321 Controllers for Electric Motor Driven Fire Pumps</p> <p>UL 2157 Electric Clothes Washing Machines and Extractors</p> <p>UL 2158 Electric Clothes Dryers FM 3260 Flame Radiation Detectors for Automatic Fire Alarm Signaling</p> <p>FM 3600 Electrical Equipment for Use in Hazardous (Classified) Locations, General Requirements</p> <p>FM 3610 Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1 Hazardous (Classified) Locations</p> <p>FM 3611 Electrical Equipment for Use in Class I, Division 2; Class II, Division 2; and Class III, Division 1 and 2 Hazardous Locations</p> <p>FM 3615 Explosion-proof Electrical Equipment, General Requirements</p> <p>FM 3620 Purged and Pressurized Electrical Equipment for Hazardous (Classified) Locations</p> <p>FM 3810 Electrical and Electronic Test, Measuring, and Process Control Equipment</p> <p>FM 3990 Less or nonflammable Liquid-Insulated Transformers</p> <p>FM 6051 Safety Containers and Filing, Supply and Disposal Containers</p> <p>FM 6310 Combustible Gas Detectors</p> <p>UL 60950 Information Technology Equipment</p>	February 15, 2021	
<b>Norwood Office</b> <b>1151 Boston-Providence Turnpike</b> <b>Norwood, Massachusetts 02062</b> <b>Tel. (781) 762-4300</b>	<b>Rhode Island Office</b> <b>743 Reynolds Road</b> <b>West Glocester, Rhode Island 02814</b> <b>Tel. (781) 762-4300</b>	<a href="http://www.fmglobal.com">www.fmglobal.com</a>		<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**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**

<p>5.</p>	<p><b>IAPMO Ventures, LLC d/b/a EGS</b></p> <p>Ontario Office  <b>5001 E. Philadelphia St.</b>  <b>Ontario, CA 91761</b>                  Tel. (909) 230-5530</p> <p><a href="http://www.iapmoegs.org">http://www.iapmoegs.org</a></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><b>Only these IAPMO offices are recognized for:</b></p> <ul style="list-style-type: none"> <li>UL 778 Motor-Operated Water Pumps</li> <li>UL 875 Standard for Electric Dry-Bath Heaters</li> <li>UL 979 Standard for Water Treatment Appliances</li> <li>UL 1081 Swimming Pool Pumps, Filters and Chlorinators</li> <li>UL 1241 Standard for Junction Boxes for Swimming Pool Luminaires</li> <li>UL 1261 Standard for Electric Water Heaters for Pools and Tubs</li> <li>UL 1431 Personal Hygiene and Health Care Appliances</li> <li>UL 1563 Electric Spas, Equipment Assemblies, and Associated Equipment</li> <li>UL 1795 Hydro-massage Bathtubs</li> <li>UL 1951 Electric Plumbing Accessories</li> </ul>	<p>June 1, 2021</p>
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**NAMES**

**LIMITS OF APPROVAL**


**APPROVED UNTIL**

	NAMES	LIMITS OF APPROVAL	APPROVED UNTIL	
6.	<p><b>Intertek Testing Services NA Inc.</b></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 <b>Entela</b> merged into Cortland Intertek office</p> <p><b>3933 U.S. Route 11</b>  <b>Cortland, NY 13045</b>                      Tel. (607) 753-6711  <a href="http://www.intertek-entsemko.com">www.intertek-entsemko.com</a></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><b>Only these Intertek offices Recognized for:</b></p> <p>ANSI A17.5 Elevators and Escalator Electrical Equipment                      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</p>	<p>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>	<p>June 1, 2021</p>

**NAMES**

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6.	<p><b>Intertek Testing Services NA Inc.</b></p> <p>Arlington Main Office            545 E. Algonquin Rd. Ste. F            Arlington, Heights, IL            60065            Tel. (607) 758-6336</p> <p>Cortland Branch            4938 Current Taps and Adapters            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 <b>Entela</b> merged into Cortland Intertek office</p> <p><b>3933 U.S. Route 11</b>  <b>Cortland, NY 13045</b>            Tel. (607) 753-6711  <a href="http://www.intertek-etlsemko.com">www.intertek-etlsemko.com</a></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 &amp; 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>	<p>June 1, 2021</p>



**NAMES**

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6.	Intertek Testing Services NA Inc.		June 1, 2021
<p>Arlington Main Office  <b>545 E. Algonquin Rd. Ste. F</b>  <b>Arlington, Heights, IL 60065</b>            Tel. (607) 758-6336</p> <p>Cortland Branch  <b>3933 U.S. Route 11</b>  <b>Cortland, NY 13045</b>            Tel. (607) 753-6711</p> <p>Menlo Park, San Francisco Branch  <b>1365 Adams Court</b>  <b>Menlo Park CA 94025</b>            Tel. (650) 463-2900</p> <p>Atlanta Branch  <b>1950 Evergreen Blvd., Suite 100</b>  <b>Duluth, Georgia 30096</b>            Tel. (678) 775-2400</p> <p>Portland Oregon Branch  <b>22887 NE Townsend Way</b>  <b>Fairview, Or 97024</b>            Tel. (503) 626-6694</p> <p>Boxborough Branch  <b>70 Codman Hill Rd.</b>  <b>Boxborough, MA 01719</b>            Tel. (978) 263-2662</p> <p>Los Angeles Branch  <b>25791 Commercentre Dr</b>  <b>Lake Forest, CA 92630</b>            Tel. (949) 448-4100</p> <p>Supplemental Recognition:            Former <b>Entela</b> merged into Cortland Intertek office</p> <p><b>3933 U.S. Route 11</b>  <b>Cortland, NY 13045</b>            Tel. (607) 753-6711  <a href="http://www.intertek-etlsemko.com">www.intertek-etlsemko.com</a></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 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 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>	

**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**

6.	Intertek Testing Services NA Inc.		June 1, 2021
<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  <a href="http://www.intertek-etlsemko.com">www.intertek-etlsemko.com</a></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>	

**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**

6.	Intertek Testing Services NA Inc.		June 1, 2021
<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  <a href="http://www.intertek-etlsemko.com">www.intertek-etlsemko.com</a></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 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>	

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

**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**


7.	MET Laboratories, Inc.	Only this MET Lab office is Recognized for:	July 19, 2019
<p><b>914 West Patapsco Ave.            Baltimore, Maryland 21230            Tel. (410) 354-3300</b></p> <p><a href="http://www.metlab.com">www.metlab.com</a></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><b>Only this MET Lab office is Recognized for:</b></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**

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7.	<b>MET Laboratories, Inc.</b>			July 19, 2019
	<p><b>914 West Patapsco Ave.            Baltimore, Maryland 21230            Tel. (410) 354-3300</b></p> <p><a href="http://www.metlab.com">www.metlab.com</a></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>	

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

NAMES

LIMITS OF APPROVAL

APPROVED UNTIL


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, 2021
	<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, 2021

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

**NAMES**

**LIMITS OF APPROVAL**


**APPROVED UNTIL**

	<b>NAMES</b>	<b>LIMITS OF APPROVAL</b>	<b>APPROVED UNTIL</b>
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> <ul style="list-style-type: none"> <li>UL 48 Standard for Electric Signs</li> <li>UL 73 Standard for Motor-Operated Appliances</li> <li>UL 1310 Standard for Class 2 Power Units</li> <li>UL 1598 Luminaries</li> <li>UL 1741 Standard for Inverters, Converters, Controllers and Interconnection System for Equipment for Use With Distributed Energy Resources</li> <li>UL 508 Industrial control equipment-Standard for Industrial Control Equipment</li> <li>UL 508A Industrial control equipment-Standard for Industrial Control Panels</li> <li>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</li> <li>UL 1203 Hazardous location equipment-Standard for explosion-proof and dust-ignition-proof electrical equipment for use in hazardous (classified) locations</li> <li>UL 6500 Audio/video and musical equipment</li> <li>UL 8750 Standard for Light Emitting Diode (LED) Equipment for use in Lighting Products</li> <li>UL 60335 Household appliances</li> <li>UL 60601 Medical and Dental equipment</li> <li>UL 60950 Communication equipment</li> <li>UL 61010 Electrical and electronic measuring and testing equipment</li> <li>UL 22 Amusement and Gaming Machines</li> <li>UL 471 Commercial Refrigerators and Freezers</li> <li>UL 1018 Electric Aquarium Equipment</li> <li>UL 1012 Power Supplies Other than Class 2</li> <li>UL 1995 Heating and Cooling Equipment</li> </ul>	May 1, 2021

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<p>11.</p>	<p><b>QAI Laboratories, Inc.</b></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  <a href="http://qai.org/">http://qai.org/</a></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"> <li>UL 48 Electric Signs</li> <li>UL 153 Portable Electric Luminaires</li> <li>UL 234 Low Voltage Lighting Fixtures for Use in Recreational Vehicles</li> <li>UL 355 Cord Reels</li> <li>UL 507 Electric Fans</li> <li>UL 508 Industrial Control Equipment</li> <li>UL 508A Industrial Control Panels</li> <li>UL 514C Nonmetallic Outlet Boxes, Flush-Device Boxes and Covers</li> <li>UL 514D Cover Plates for Flush-Mounted Wiring Devices</li> <li>UL 962 Household and Commercial Furnishings</li> <li>UL 1574 Track Lighting Systems</li> <li>UL 1598 Luminaires</li> <li>UL 1993 Self-Ballasted Lamps and Lamp Adapters</li> <li>UL 2108 Low Voltage Lighting Systems</li> <li>UL 8750 Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products</li> <li>UL 60950-1 Information Technology Equipment-Safety-Part 1: General Requirements.</li> <li>UL 61010-1 Safety Requirements for Electrical Equipment Measurement, Control, and Laboratory Use-Part 1: General Requirements</li> </ul>	<p>October 4, 2021</p>




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	NAMES	LIMITS OF APPROVAL	APPROVED UNTIL	
12.	<p><b>TUV SUD America, Inc.</b></p>  <p>Peabody Office  <b>10 Technology Dr</b>  <b>Peabody, Ma 01960</b>            Tel. (978) 573-2517</p> <p>San Diego Office  <b>10040 Mesa Rim Road</b>  <b>San Diego, CA 92121</b>            Tel. (858) 678-1400</p> <p>New Brighton Office  <b>141 14th St. NW</b>  <b>New Brighton, Minnesota 55112</b>            Tel. (651) 631-2487</p> <p><a href="http://www.tuvalamerica.com">www.tuvalamerica.com</a></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><b>Only these TUV America offices are recognized for:</b></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>(TUV America recognition continued)</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>September 30, 2020</p>

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

NAMES

LIMITS OF APPROVAL

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12.	<p><b>TUV SUD America, Inc.</b></p>  <p>Peabody Office  <b>10 Technology Dr</b>  <b>Peabody, Ma 01960</b>            Tel. (978) 573-2517</p> <p>San Diego Office  <b>10040 Mesa Rim Road</b>  <b>San Diego, CA 92121</b>            Tel. (858) 678-1400</p> <p>New Brighton Office  <b>141 14th St. NW</b>  <b>New Brighton, Minnesota 55112</b>            Tel. (651) 631-2487</p> <p><a href="http://www.tuvamerica.com">www.tuvamerica.com</a></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><b>Only these TUV America offices are recognized for:</b></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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	NAMES	LIMITS OF APPROVAL	APPROVED UNTIL	
13.	<p><b>TUV Rheinland of North America, Newtown</b></p> <p><b>12 Commerce Road            Newtown, Connecticut 06470</b>            Tel. (203) 426-0888</p> <p><a href="http://www.us.tuv.com">www.us.tuv.com</a></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><b>Only this TUV Rheinland office is recognized for:</b></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 &amp; Dry Cleaning &amp; 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 &amp; 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            UI 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            UI 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, 2021</p>

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**FOR LISTING OF ELECTRICAL EQUIPMENT**

**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**

	<b>NAMES</b>	<b>LIMITS OF APPROVAL</b>	<b>APPROVED UNTIL</b>	
13.	<p><b>TUV Rheinland of North America, Newtown</b></p> <p><b>12 Commerce Road            Newtown, Connecticut 06470</b>            Tel. (203) 426-0888</p> <p><a href="http://www.us.tuv.com">www.us.tuv.com</a></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, 2021</p>

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**LIMITS OF APPROVAL**


**APPROVED UNTIL**

	<b>NAMES</b>	<b>LIMITS OF APPROVAL</b>	<b>APPROVED UNTIL</b>	
13.	<p><b>TUV Rheinland of North America, Newtown</b></p> <p><b>12 Commerce Road            Newtown, Connecticut 06470</b>            Tel. (203) 426-0888</p> <p><a href="http://www.us.tuv.com">www.us.tuv.com</a></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            UL61010C-1 Process Control Equipment            UL 61010-1 Safety Requirements for Electrical Equipment For Measurement, Control, and Laboratory Use</p>	<p align="center">August 15, 2021</p>

**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**

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14.	<p><b>UL LLC</b></p> <p><b>Northbrook Office</b>            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><a href="http://www.ul.com">www.ul.com</a></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>	<p>April 9, 2021</p>

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

**NAMES**

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14.	UL LLC			April 9, 2021
	 <p><b>Northbrook Office</b>            333 Pfingsten Road            Northbrook, IL 60062-2096            Tel. (708) 272-8800</p> <p>Research Triangle Park Office  <b>12 Laboratory Drive</b>            Research Triangle Park, NC 27709            Tel. (919) 549-1400</p> <p>Fremont Office  <b>47173 Benicia St</b>            Fremont, California 94583            Tel. (408) 754-6500</p> <p>Melville Office  <b>1285 Walt Whitman Rd</b>            Melville, NY 11747            Tel. (516) 271-6200</p> <p><a href="http://www.ul.com">www.ul.com</a></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><a href="http://www.ul.com">www.ul.com</a></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>	




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	<p><b>Northbrook Office</b>  <b>333 Pfingsten Road</b>  <b>Northbrook, IL 60062-2096</b>            Tel. (708) 272-8800</p> <p>Research Triangle Park Office  <b>12 Laboratory Drive</b>  <b>Research Triangle Park, NC 27709</b>            Tel. (919) 549-1400</p> <p>Fremont Office  <b>47173 Benicia St</b>  <b>Fremont, California 94583</b>            Tel. (408) 754-6500</p> <p>Melville Office  <b>1285 Walt Whitman Rd</b>  <b>Melville, NY 11747</b>            Tel. (516) 271-6200</p> <p><a href="http://www.ul.com">www.ul.com</a></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            ANIS/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>	

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

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14.	UL LLC			April 9, 2021
	<p><b>Northbrook Office</b>  <b>333 Pflingsten Road</b>  <b>Northbrook, IL 60062-2096</b>  <b>Tel. (708) 272-8800</b></p>  <p><b>Research Triangle Park Office</b>  <b>12 Laboratory Drive</b>  <b>Research Triangle Park, NC 27709</b>  <b>Tel. (919) 549-1400</b></p> <p><b>Fremont Office</b>  <b>47173 Benicia St</b>  <b>Fremont, California 94583</b>  <b>Tel. (408) 754-6500</b></p> <p><b>Melville Office</b>  <b>1285 Walt Whitman Rd</b>  <b>Melville, NY 11747</b>  <b>Tel. (516) 271-6200</b></p> <p><a href="http://www.ul.com">www.ul.com</a></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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**NAMES**

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(516) 271-6200</p> <p><a href="http://www.ul.com">www.ul.com</a></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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(516) 271-6200</p> <p><a href="http://www.ul.com">www.ul.com</a></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 2044 Commercial Closed Circuit Television Equipment</p> <p>UL 2061 Adapters and Cylinder Connection Devices for Portable LP-Gas Cylinder Assemblies</p> <p>ANSI/UL 2083 Halon 1301 Recovery/Recycling Equipment</p> <p>UL 2085 Insulated Aboveground Tanks for Flammable and Combustible Liquids</p> <p>UL 2089 Vehicle Battery Adapters</p> <p>ANSI/UL 2096 Commercial/Industrial Gas and/or Gas Fired Heating Assemblies with Emission Reduction Equipment</p> <p>UL 2097 Reference Standard for Double Insulation Systems for Use in Electronic Equipment</p> <p>UL 2106 Field Erected Boiler Assemblies</p> <p>UL 2111 Overheating Protection for Motors</p> <p>UL 2125 Motor-Operated Air Compressors for Use in Sprinkler Systems</p> <p>UL 2127 Inert Gas Clean Agent Extinguishing System Unit</p> <p>UL 2129 Standard for Safety for Halocarbon Clean Agent Fire Extinguishers</p> <p>ANSI/UL 2157 Electric Clothes Washing Machines and Extractors</p> <p>ANSI/UL 2158 Electric Clothes Dryers</p> <p>UL 2161 Neon Transformers and Power Supplies</p> <p>UL 2166 Halocarbon Clean Agent Extinguishing System Units</p> <p>UL 2200 Stationary Engine Generator Assemblies</p> <p>UL 2202 Electric Vehicle (EV) Charging System Equipment</p> <p>UL 2227 Overfilling Prevention Devices</p> <p>UL 2250 Instrumentation Tray Cable</p> <p>UL 2305 Exhibition Display Units, Fabrication and Installation</p> <p>UL 2351 Spray Nozzles for Fire-Protection Service</p> <p>UL 2388 Flexible Lighting Products</p> <p>UL 3044 Surveillance Closed Circuit Television Equipment</p> <p>UL 2703 Mounting systems, mounting devices, clamping/retention devices, and ground lugs for use with Flat-Plate Photovoltaic Modules And Panels</p> <p>UL 4703 Photovoltaic Wire</p> <p>UL 6500 Audio/Video and Musical Instrument Apparatus for Household, Commercial, and Similar General Use</p> <p>UL 9540 Safety Energy Storage and Equipment</p> <p>UL 60065 Audio, Video and Similar electronic Apparatus</p> <p>UL 60335-1 Safety of Household and Similar Electrical Appliances, Part 1: General Requirements</p> <p>UL 60335-2-8 Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electric Shavers, Hair Clippers, and Similar Appliances</p> <p>UL 60335-2-34 Household and Similar Electrical Appliances, Part 2: Particular Requirements for Motor-Compressors</p> <p>UL 60601-1 Medical Electrical Equipment, Part 1: General Requirements for Safety</p> <p>UL 60730-1A Automatic Electrical Controls for Household and Similar Use; Part 1: General Requirements</p> <p>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</p> <p>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</p> <p>UL 60730-2-7 Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Timers and Time Switches</p> <p>UL 60730-2-9 Automatic electrical Controls for Household and Similar Use; Part 2: Particular Requirements</p> <p>UL 60730-2-10A Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Motor Starting Relays</p> <p>UL 60730-2-11A Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Energy Regulators</p> <p>UL 60730-2-12A Automatic electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Electrically Operated Door Locks</p> <p>UL 60730-2-13A Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Humidity Sensing Controls</p> <p>UL 60730-2-14 Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Electric Actuators</p> <p>UL 60730-2-16A Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Automatic Electrical Water Level Controls</p> <p>UL 60950 Information Technology Equipment</p> <p>UL 61010A-1 Electrical Equipment for Laboratory Use; Part 1: General Requirements</p> <p>UL 61010A-2-010 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Equipment for the Heating of Materials</p> <p>UL 61010A-2-020 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Centrifuges</p> <p>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</p> <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</p> <p>UL 61010A-2-051 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Equipment Mixing and Stirring</p> <p>UL 61010-2-061 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</p> <p>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</p> <p>UL 61058-1 Switches for Appliances</p> <p>UL 8750 Light Emitting Diode (LED) Equipment for use in lighting products</p>

April 9, 2021

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**SGS North America, Inc.**

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[www.us.sgs.com](http://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 22 Standard for Amusement and Gaming Machines  
 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 141 Garment Finishing Machines  
 UL 153 Electric Luminaries  
 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 283 Air Fresheners and Deodorizers  
 UL 399 Drinking Water Coolers  
 UL 430 Electric Waste Disposers  
 UL 466 Standard for Electric Scales  
 UL 471 Commercial Refrigerators and Freezers  
 UL 474 Dehumidifiers  
 UL 482 Portable Sun/Heat Lamps  
 UL 484 Room Air Conditioners  
 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 574 Standard for Electric Oil Heaters  
 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 773A Nonindustrial Photoelectric Switches for Lighting Control  
 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 826 Standard for Electric Clocks  
 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 1030 Sheathed Heating Elements  
 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 1042 Electric Baseboard Heating 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 1088 Temporary Lighting Strings  
 UL 1206 Electric Commercial Clothes-Washing Equipment  
 UL 1236 Electric Battery Chargers  
 UL 1240 Electric Commercial Clothes-Drying Equipment  
 UL 1241 Junction Boxes for Swimming Pool Lighting Fixtures  
 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 Luminaries  
 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 1740 Robots and Robotic Equipment  
 UL 1741 Inverters, Converters, and Controllers for Use in Independent Power Systems  
 UL 1776 Standard for High-Pressure Cleaning Machines  
 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 1994 Low-Level Path Marking and Lighting Systems  
 UL 1995 Heating and Cooling Equipment  
 UL 1977 Component Connectors for Use in Data, Signal, Control and Power Applications  
 UL 2108 Low Voltage Lighting Systems

September 1, 2021

**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**

15.



**SGS North America, Inc.**

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

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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 2202 Electric Vehicle (EV) Charging System Equipment  
 UL 2388 Flexible Lighting Products  
 UL 2524 In-Building 2-Way Emergency Radio Communication Enhancement Systems  
 UL 2594 Electric Vehicle Supply Equipment  
 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  
 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 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 62841-2-8 Safety Requirements for Particular Requirements for Hand-Held Shears and Nibblers  
 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 62841-2-11 Safety Requirements for Particular Requirements for Hand-Held Reciprocating Saws

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- B. The name or location of the approving branch laboratory.**