


**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>2319 Dorris Place                  Los Angeles, CA 90031                  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.	<b>Canadian Standards Association (CSA)</b>	<b>Only these CSA offices are recognized for:</b>	
	<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>2805 Barranca Parkway</b>  <b>Irvine, CA 92606-5114</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="http://www.csa-international.com">www.csa-international.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></p> <p>- All electrical equipment tested to the National Electrical Code and ANSI standards.                      - A "US" mark or approved equivalent marking shall be included in the equipment label at the proximity of the "CSA" marking</p> <p>ANSI A.17.5 Elevators and Escalator Electrical Equipment                      ANSI C37.09 (1) Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis                      ANSI C37.013(1) AC High-Voltage Generator Circuit Breakers Rated on a Symmetrical                      ANSI C37.13 (1) Low-Voltage AC Power Circuit Breakers Used in Enclosures                      ANSI C37.14 (1) Low-Voltage DC Power Circuit Breakers Used in Enclosures                      ANSI C37.17 (1) Trip Devices for AC and General Purpose DC Low-Voltage Power Circuit Breakers                      ANSI C37.18 (1) Enclosed Field Discharge Circuit Breakers for Rotating Electric Machinery                      ANSI C37.20.1(1) Metal-Enclosed Low-Voltage Power circuit-Breaker Switchgear                      ANSI C37.20.2(1) Metal-Clad and Station-Type Cubicle Switchgear                      ANSI C37.20.3(1) Metal-Enclosed Interrupter Switchgear                      ANSI C37.21(1) Control Switchboards                      ANSI C37.23 (1) Metal Enclosed Bus and Calculating Losses in Isolated-Place Bus                      ANSI C37.29 (1) Low-Voltage AC Power Circuit Protectors Used in Enclosures                      ANSI C37.41 (1) Design Tests for High-Voltage Fuses, Distribution Enclosed Single Pole Air Switches, Fuse Disconnecting Switches and Accessories                      ANSI C37.45 (1) Distribution Enclosed Single-Pole Air Switches                      ANSI C37.46 (1) Specifications for Power Fuses and Fuse Disconnecting Switches                      ANSI C37.47 (1) Specifications for Distribution Fuse Disconnecting Switches, Fuse Supports, and Current-Limiting Fuses                      ANSI C37.50 (1) Low-Voltage AC Power Circuit Breakers Used in Enclosures - - Test Procedures                      ANSI C37.51 (1) Metal-Enclosed Low Voltage AC Power Circuit-Breaker Switchgear Assemblies - - Conformance Test Procedures                      ANSI C37.52 (1) Low-Voltage AC Power Circuit Protectors Used in Enclosures - - Test Procedures                      ANSI C37.53.1.(1) High-Voltage Current Motor-Starter Fuses - - Conformance Test Procedures                      ANSI C37.54 (1) Indoor Alternating-Current High Voltage Circuit Breakers Applied as Removable Elements in Metal-Enclosed Switchgear, Assemblies - - Conformance Test Procedures                      ANSI C37.55 (1) Metal-Clad Switchgear Assemblies - - Conformance Test Procedures                      ANSI C37.57 (1) Metal-Enclosed Interrupter Switchgear Assemblies - - Conformance Testing                      ANSI C37.58 (1) Indoor AC Medium-Voltage Switches for Use in Metal-Enclosed Switchgear - - Conformance Testing Procedures                      ANSI C37.66 (1) Oil-Filled Capacitor Switches for Alternating-Current Systems - - Requirements                      ANSI C37.121(1) Unit Substations - - Requirements                      ANSI C57.13 (1) Requirements for Instrument Transformers                      ANSI C62.11 (1) Metal Oxide Surge Arresters for AC Power Circuits                      ANSI S82.02.01 Electric and Electronic Test, Measuring, Controlling, and Related Equipment: General Requirement                      ANSI Z21.1 Household Cooking Gas Appliances                      ANSI Z21.5.1 Gas Clothes Dryers - - Type 1                      ANSI Z21.5.2 Gas Clothes Dryers, Type 2, Volume II                      ANSI Z21.10.1 Gas Water Heaters - - Automatic Storage Type Water Heaters with Inputs of 70,000 Btu Per Hour or Less                      ANSI Z21.10.3 Gas Water Heaters, Volume III Storage, With Input Ratings Above 75,000 Btu Per Hour, Circulating and Instantaneous Water Heaters                      ANSI Z21.11.2 Gas-Fired Room Heaters - - Volume II - - Unrented Room                      ANSI Z21.13 Gas-Fired Low-Pressure Steam and Hot Water Heating Boilers                      ANSI Z21.15 Manually Operated Gas Valves                      ANSI Z21.17 Domestic gas Conversion Burners                      ANSI Z21.18 Gas Appliance Pressure Regulators                      ANSI Z21.19 Refrigerators Using Gas Fuel                      ANSI Z21.20 Automatic Gas Ignition Systems and Components                      ANSI Z21.21 Automatic Valves for Gas Appliances                      ANSI Z21.22 Relief Valves and Automatic Gas Shutoff Devices for Hot Water Supply Systems                      ANSI Z21.23 Gas Appliance Thermostats                      ANSI Z21.24 Metal Connectors for Gas Appliances</p>	<p>August 21,                      2018</p>

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Main Office - Toronto <b>178 Rexdale Boulevard</b> <b>Toronto, Ontario,</b> <b>Canada M9W 1R3</b> Tel. (416) 747-4000		<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</p> <p>ANSI Z21.40.2 Gas-Fired, Work Activated Air-Conditioning and Heat Pump Appliances (internal Combustion</p> <p>ANSI Z21.41 Quick-Disconnect Devices for Use with Gas Fuel</p> <p>ANSI Z21.42 Gas-Fires Illuminating Appliances</p> <p>ANSI Z21.47 Gas-Fired Central Furnaces</p> <p>ANSI Z21.50 Vented Decorative Gas Appliances</p> <p>ANSI Z21.54 Gas Hose Connectors for Portable Outdoor Gas-Fired Appliances</p> <p>ANSI Z21.56 Gas-Fired Pool Heaters</p> <p>ANSI Z21.57 Recreational Vehicle Cooking Gas Appliances</p> <p>ANSI Z21.58 Outdoor Cooking Gas Appliances</p> <p>ANSI Z21.60 Decorative Gas Appliances for Installation in Vented Fireplaces</p> <p>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</p> <p>ANSI Z21.73 Portable Camp Lanterns for Use With Propane Gas</p> <p>ANSI Z21.74 Portable Refrigerators for Use With HD-5 Propane Gas</p> <p>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</p> <p>ANSI Z83.7 Gas-Fired Construction Heaters</p> <p>ANSI Z83.8 Gas Unit Heaters</p> <p>ANSI Z83.11 Gas Food Service Equipment - Ranges and Unit Broilers</p> <p>ANSI Z83.18 Direct Gas-Fired Industrial Air Heaters</p> <p>UL 1 Flexible Metal Conduit</p> <p>UL 4 Armored Cable</p> <p>UL 5 Surface Metal Raceways and Fittings</p> <p>UL 5A Nonmetallic Surface Raceways and Fittings</p> <p>UL 5B Strut-Type Channel Raceways and Fittings</p> <p>UL 6 Rigid Metal Conduit</p> <p>UL 13 Power-Limited Circuit Cables</p> <p>UL 20 General-Use Snap Switches</p> <p>UL 22 Electric Amusement Machines</p> <p>UL 44 Rubber-Insulated Wires and Cables</p> <p>UL 48 Electric Signs</p> <p>UL 50 Electrical Cabinets and Boxes</p> <p>UL 51 Power-Operated Pumps for Anhydrous Ammonia and LP-Gas</p> <p>UL 62 Flexible Cord and Fixture Wire</p> <p>UL 65 Electric Wired Cabinets</p> <p>UL 67 Electric Panelboards</p> <p>UL 69 Electric Fence Controllers</p> <p>UL 73 Electric-Morot-Operated Appliances</p> <p>UL 79 Power-Operated Pumps for Petroleum Product Dispensing Systems</p> <p>UL 82 Electric Gardening Appliances</p> <p>UL 83 Thermoplastic-Insulated Wires and Cables</p> <p>UL 87 Power-Operated Dispensing Devices for Petroleum Products</p> <p>UL 94 Tests for Flammability of Plastic Materials for Parts in Devices and Appliances</p> <p>UL 96 Lightning Protection Components</p> <p>UL 98 Enclosed and Dead-Front Switches</p> <p>UL 104 Elevator Door Locking Devices</p> <p>UL 122 Electric Photographic Equipment</p> <p>UL 125 Valves for Anhydrous Ammonia and LP-Gas (Other Than Safety Relief)</p> <p>UL 130 Electric Heating Pads</p> <p>UL 132 Safety Relief Valves for Anhydrous Ammonia and LP-Gas</p> <p>UL 141 Garment Finishing Appliances</p> <p>UL 144 Pressure Regulating Valves for LP-Gas</p> <p>UL 147 LP- and MPS-Gas Torches</p> <p>UL 150 Antenna Rotators</p> <p>UL 153 Portable Electric Lamps</p> <p>UL 174 Household Electric Storage-Tank Water Heaters</p> <p>UL 183 Manufactures Wiring Systems</p> <p>UL 187 X-Ray Equipment</p>	
Montreal Office <b>865 Ellingham Street,</b> <b>Pointe-Claire, Quebec,</b> <b>Canada H9R 5E8</b>			
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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 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>2805 Barranca Parkway</b>  <b>Irvine, CA 92606-5114</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="http://www.csa-international.com">www.csa-international.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 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 207 Nonelectrical Refrigerant Containing Components and Accessories            UL 209 Cellular Metal Floor Electrical Raceways and Fittings            UL 218 Fire Pump Controllers            UL 224 Extruded Insulating Tubing            UL 228 Door Closers-Holders, and Integral Smoke Detectors            UL 231 Electrical Power Outlets            UL 234 Low Voltage Lighting Fixtures for Use in Recreational Vehicles            UL 244A Solid-State Controls for Appliances            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            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            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 252 Compressed Gas Regulators            UL 291 Automated Teller Systems            UL 294 Access Control System Units            UL 296 Oil Burners            UL 296A Waste Oil-Burning Air-Heating Appliances            UL 307A Liquid Fuel-Burning Heating Appliances for Manufactured Homes and Recreational Vehicles            UL 310 Electrical Quick-Connect Terminals            UL 325 Door, Drapery, Gate, Louver and Window Operators and Systems            UL 331 Strainers for Flammable Fluids and Anhydrous Ammonia            UL 343 Pumps of Oil-Burning Appliances            UL 347 High-Voltage Industrial Control Equipment            UL 353 Limit Controls            UL 355 Electric 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 378 Draft Equipment            UL 391 Solid-Fuel and Combination-Fuel Control and Supplementary Furnaces            UL 399 Drinking-Water Coolers            UL 412 Refrigeration Unit Coolers            UL 414 Electrical Meter Sockets            UL 416 Refrigerated Medical Equipment            UL 427 Refrigerating Units            UL 429 Electrically Operated Valves            UL 430 Electric Waste Disposers            UL 441 Gas Vents            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 Electrical Grounding and Bonding Equipment            UL 469 Musical Instruments and Accessories            UL 471 Commercial Refrigerators and Freezers            UL 474 Dehumidifiers</p>	<p>August 21,            2018</p>

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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 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>2805 Barranca Parkway</b>  <b>Irvine, CA 92606-5114</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="http://www.csa-international.com">www.csa-international.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 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 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 Skillets 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>	August 21, 2018

**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**


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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="http://www.csa-international.com">www.csa-international.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 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 1460 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>	August 21, 2018



**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**

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**City of Los Angeles**  
 RECOGNIZED ELECTRICAL TESTING LABORATORIES  
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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 Uninterruptible Power Systems        UL 8750 Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products        UL 60065 Audio, Video and Similar Electronic Apparatus        UL 60335-1 Safety of Household and Similar Electrical Appliances, Part 1: General Requirements        UL 60335-2-3 Safety of Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electric Irons        UL 60335-2-8 Standard for Safety for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electric Shavers, Hair Clippers and Similar Appliances        UL 60335-2-34 Safety of Household and Similar Electrical Appliances, Part 2-34: Particular Requirements for Motor-Compressors        UL 60745-1 Hand-Held Motor-Operated Electric Tools – Safety – Part 1: General Requirements        UL 60745-2-1 Hand-Held Motor-Operated Electric Tools – Safety – Part 2-1: Particular Requirements for Drills and Impact Drills.        UL 60745-2-2 Hand-Held Motor-Operated Electric Tools- Safety – Part 2-2: Particular Requirements for Screwdrivers and Impact Wrenches        UL 60745-2-3 Hand-Held Motor-Operated Electric Tools – Safety – Part 2-3: Particular Requirements for Grinders, Polishers and Disk-Type Sanders        UL 60745-2-4 Hand-Held Motor-Operated Electric Tools – Safety – Part 2-4: Particular Requirements for Sanders and Polishers Other Than Disk Type        UL 60745-2-5 Hand-Held Motor-Operated Electric Tools – Safety – Part 2-5: Particular Requirements for Circular Saws        UL 60745-2-6 Hand-Held Motor-Operated Electric Tools – Safety – Part 2-6: Particular Requirements for Hammers        UL 60745-2-11 Hand-Held Motor-Operated Electric Tools – Safety – Part 2-11: Particular Requirements for Reciprocating Saws        UL 60950 Information Technology Equipment Safety Requirements</p>	<p>UL 60950-21 Information Technology Equipment— Safety—Part 21: Remote Power Feeding        UL 60950-22 Information Technology Equipment— Safety—Part 22: Equipment to be Installed Outdoors        UL 60950-23 Information Technology Equipment— Safety—Part 23: Large Data Storage Equipment        UL 61010-2-010 Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use – Part 2-010: Particular Requirements for Laboratory Equipment for the heating of Materials        UL 61010-2-030 Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use—Part 2-030: Particular Requirements for Testing and Measuring Circuits        UL 61010A-1 Electrical Equipment for Laboratory Use; Part 1: General Requirements        UL 61010B-1 Electrical Measuring and Test Equipment; Part 1: General Requirements        UL 61010B-2-031 Electrical Equipment for Measurement, Control, and Laboratory Use; Part 2-031 Particular Requirements for Hand-Held Probe assemblies for Electrical Measurement and Test        UL 62368-1 Audio/Video, Information and Communication Technology Equipment—Part 1: Safety Requirements</p>	<p>March 25, 2019</p>
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**APPROVED UNTIL**


4.			
	<p><b>FM Approvals LLC</b>            (formerly Factory Mutual Research Corporation)</p> <p><b>Norwood Office</b>            1151 Boston-Providence Turnpike            Norwood, Massachusetts 02062            Tel. (781) 762-4300</p> <p><b>Rhode Island Office</b>            743 Reynolds Road            West Glocester, Rhode Island 02814            Tel. (781) 762-4300</p> <p><a href="http://www.fmglobal.com">www.fmglobal.com</a></p>  <p><b>Note:</b> Each listed or certified equipment shall be marked with a listing or certification mark or logo unique to this organization and the name or location of the approving branch laboratory.</p>	<p>Only these FM offices are recognized for:</p> <p>ANSI S82.02.01 Electric and Electronic Test, Measuring, Controlling, and Related Equipment: General Requirements            ANSI S82.02.02 Electrical Equipment for Measurement, Control, and Laboratory Use            ANSI Z8.1 Commercial Laundry and Dry-cleaning Equipment and Operations            ANSI ICS 2 Industrial Control Devices, Controllers and Assemblies            ANSI 12.12.01 Non-incentive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations            ANSI 20 Centrifugal Fire Pumps            UL 38 Manually Actuated Signaling Boxes for Use With Fire-Protective Signaling Systems            ANSI 72 Installation, Maintenance, and Use of Protective Signaling Systems            UL 346 Water flow Indicators for Fire Protective Signaling Systems            UL 508 Electric Industrial Control Equipment            UL 558 Industrial Trucks, Internal Combustion Engine-Powered            UL 583 Electric-Battery-Powered Industrial Trucks            UL 664 Commercial (Class IV) Electric Dry-Cleaning Machines            UL 674 Electric Motors and Generators for Use in Hazardous (Classified) Locations            UL 698 Industrial Control Equipment for Use in Hazardous (Classified) Locations            UL 753 Alarms Accessories for Automatic Water-Supply Control Valves            UL 781 Portable Electric Lighting Units for Use in Hazardous (Classified) Locations            UL 823 Electric Heaters for Use in Hazardous (Classified) Locations            UL 827 Central-Stations for Watchmen, Fire-Alarm, and Supervisory Services            UL 844 Electric Lighting Fixtures for Use in Hazardous (Classified) Locations            UL 863 Electric Time-Indicating and -Recording Appliances            UL 864 Control Units for Fire-Protective Signaling Systems            UL 877 Circuit Breakers and Circuit-Breaker Enclosure for Use in Hazardous (Classified) Locations            UL 886 Electrical Outlet Boxes and Fittings for Use in Hazardous (Classified) Locations            UL 894 Switches for Use in Hazardous (Classified) Locations            UL 913 Intrinsically Safe Apparatus and Associated Apparatus for Use In Class I, II, and III, Division 1, Hazardous (Classified) Locations            UL 1002 Electrically Operated Valve for Use in Hazardous (Classified) Locations            UL 1203 Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations            UL 1206 Electrical Commercial Clothes-Washing Equipment            UL 1207 Sewage Pumps for Use in Hazardous (Classified) Locations            UL 1236 Battery Chargers for Charging Engine-Starter Batteries            UL 1240 Electric Commercial Clothes-Drying Equipment            UL 1254 Pre-Engineered Dry Chemical Extinguishing System Units            UL 1262 Laboratory Equipment FM 1321 Controllers for Electric Motor Driven Fire Pumps            UL 2157 Electric Clothes Washing Machines and Extractors            UL 2158 Electric Clothes Dryers FM 3260 Flame Radiation Detectors for Automatic Fire Alarm Signaling            FM 3600 Electrical Equipment for Use in Hazardous (Classified) Locations, General Requirements            FM 3610 Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1 Hazardous (Classified) Locations            FM 3611 Electrical Equipment for Use in Class I, Division 2; Class II, Division 2; and Class III, Division 1 and 2 Hazardous Locations            FM 3615 Explosion-proof Electrical Equipment, General Requirements            FM 3620 Purged and Pressurized Electrical Equipment for Hazardous (Classified) Locations            FM 3810 Electrical and Electronic Test, Measuring, and Process Control Equipment            FM 3990 Less or nonflammable Liquid-Insulated Transformers            FM 6051 Safety Containers and Filing, Supply and Disposal Containers            FM 6310 Combustible Gas Detectors            UL 60950 Information Technology Equipment</p>	<p>February            15,            2018</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> <p>UL 778 Motor-Operated Water Pumps                  UL 875 Standard for Electric Dry-Bath Heaters                  UL 979 Standard for Water Treatment Appliances                  UL 1081 Swimming Pool Pumps, Filters and Chlorinators                  UL 1241 Standard for Junction Boxes for Swimming Pool Luminaires                  UL 1261 Standard for Electric Water Heaters for Pools and Tubs                  UL 1431 Personal Hygiene and Health Care Appliances                  UL 1563 Electric Spas, Equipment Assemblies, and Associated Equipment                  UL 1795 Hydro-massage Bathtubs                  UL 1951 Electric Plumbing Accessories</p>	<p>June 1,                  2019</p>
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**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**

6.	Intertek Testing Services NA Inc.		June 1, 2019
<p>Arlington Main Office            545 E. Algonquin Rd            Arlington, Heights, IL 60065            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><b>Only these Intertek offices Recognized for: ANSI A17.5 Elevators and Escalator Electrical Equipment</b></p> <ul style="list-style-type: none"> <li>UL 1 Flexible Metal Conduit</li> <li>UL 3 Flexible Nonmetallic tubing for Electric Wiring</li> <li>UL 4 Armored Cable</li> <li>UL 5 Surface Metal electrical Raceways and Fittings</li> <li>UL 5A Nonmetallic Surface Raceways and Fittings</li> <li>UL 5B Strut-Type</li> <li>UL 6 Rigid Metal Conduit</li> <li>UL 6A Electrical Rigid Metal Conduit – Aluminum, Bronze, and Stainless Steel</li> <li>UL 8 Foam Fire Extinguishers</li> <li>UL 10A Tin-Clad Fire Doors</li> <li>UL 13 Power-Limited Circuit Cables</li> <li>UL 20 General-Use Snap Switches</li> </ul>	 <ul style="list-style-type: none"> <li>UL 22 Amusement and Gaming Machines</li> <li>UL 25 Meters for Flammable and Combustible Liquids and LP Gas.</li> <li>UL 38 Manual Signaling Boxes for Fire Alarm Systems</li> <li>UL 44 Rubber-Insulated Wires and Cables</li> <li>UL 45 Portable Electric Tools</li> <li>UL 48 Electric Signs</li> <li>UL 50 Electric Cabinets and Boxes</li> <li>UL 51 Power-Operated Pumps for Anhydrous Ammonia and LP Gas.</li> <li>UL 62 Flexible Cord and Fixture Wire</li> <li>UL 67 Electric Panel boards</li> <li>UL 65 Electric Wired Cabinets</li> <li>UL 69 Electric-Fence Controllers</li> <li>UL 73 Motor-Operated Appliances</li> <li>UL 79 Power-Operated Pumps for Petroleum Product Dispensing Systems</li> <li>UL 82 Electric Gardening Appliances</li> <li>UL 83 Thermoplastic-Insulated Wires and Cables</li> <li>UL 87 Power-Operated Dispensing Devices for Petroleum Products</li> <li>UL 94 Tests for Flammability of Plastic Materials for Parts in Devices and Appliances</li> <li>UL 98 Enclosed and Dead-Front Switches</li> <li>UL 96 Lightning Protection Components</li> <li>UL 104 Elevator Door Locking Devices and Contacts</li> <li>UL150 Antenna Rotators</li> <li>UL 122 Photographic Equipment</li> <li>UL 130 Electric Heating Pads</li> <li>UL 141 Garment Finishing Appliances</li> <li>UL 153 Portable Electric Lamps</li> <li>UL 174 Household Electric Storage – Tank Water Heaters</li> <li>UL 180 Liquid-Level Indicating Gauges and Tank Filling Signals for Petroleum Products</li> <li>UL 183 Manufactured Wiring Systems</li> <li>UL 187 X-Ray Equipment</li> <li>UL 197 Commercial Electric Cooking Appliances</li> <li>UL 201 Standard for Garage Equipment</li> <li>UL 209 Cellular Metal Floor Raceways and Fittings</li> <li>UL 217 Single and Multiple Station Smoke Detectors</li> <li>UL 218 Fire Pump Controllers</li> <li>UL 224 Extruded Insulating Tubing</li> <li>UL 228 Door Closers-Holders, With or Without Integral Smoke Detectors</li> <li>UL 231 Electrical Power Outlets</li> <li>UL 234 Low Voltage Lighting Fixtures for Use in Recreational Vehicles</li> <li>UL 248-1 Low-Voltage Fuses – Part 1: General Requirements</li> <li>UL 244A Solid State Controls for Appliances</li> <li>UL 248-2 Low-Voltage Fuses – Part 2: Class C Fuses</li> <li>UL 248-3 Low-Voltage Fuses – Part 3: Class CA and CB Fuses</li> <li>UL 248-4 Low-Voltage Fuses – Part 4: Class CC Fuses</li> <li>UL 248-5 Low-Voltage Fuses – Part 5: Class G Fuses</li> <li>UL 248-6 Low-Voltage Fuses – Part 6: Class H Renewable Fuses</li> <li>UL 248-7 Low-Voltage Fuses – Part 7: Class H Renewable Fuses</li> <li>UL 248-8 Low-Voltage Fuses – Part 8: Class J Fuses</li> <li>UL 248-9 Low-Voltage Fuses – Part 9: Class K Fuses</li> <li>UL 248-10 Low-Voltage Fuses – Part 10: Class L Fuses</li> <li>UL 248-11 Low-Voltage Fuses – Part 11: Plug Fuses</li> <li>UL 248-12 Low-Voltage Fuses – Part 12: Class R Fuses</li> <li>UL 248-13 Low-Voltage Fuses – Part 13: Semiconductor Fuses</li> <li>UL 248-14 Low-Voltage Fuses – Part 14: Supplemental Fuses</li> <li>UL 248-15 Low-Voltage Fuses – Part 15: Class T Fuses</li> </ul>	<ul style="list-style-type: none"> <li>UL 248-16 Low-Voltage Fuses – Part 16: Test Limiters</li> <li>UL 250 Household Refrigerators and Freezers</li> <li>UL 268 Smoke Detectors for Fire Alarm Signaling Systems</li> <li>UL 268A Smoke Detectors for Duct Application</li> <li>UL 291 Automated Teller Systems</li> <li>UL 294 Access Control System Units</li> <li>UL 298 Portable Electric Hand Lamps</li> <li>UL 305 Panic Hardware</li> <li>UL 310 Electrical Quick-Connect Terminals</li> <li>UL 325 Door, Drapery, Gate, Louver, and Window Operators and Systems</li> <li>UL 346 Water flow Indicators for Fire Protective Signaling Systems</li> <li>UL 347 High-Voltage Industrial Control Equipment</li> <li>UL 353 Limit Controls</li> <li>UL 355 Cord Reels</li> <li>UL 360 Liquid-Tight Flexible Steel Conduit</li> <li>UL 363 Knife Switches</li> <li>UL 365 Police Station Connected Burglar Alarm Units and Systems</li> <li>UL 372 Primary Safety Controls for Gas – and Oil – Fired Appliances</li> <li>UL 399 Drinking-Water Coolers</li> <li>UL 412 Refrigeration Unit Coolers</li> <li>UL 414 Meter Sockets</li> <li>UL 416 Refrigerated Medical Equipment</li> <li>UL 427 Refrigerating Units</li> <li>UL 429 Electrically Operated Valves</li> <li>UL 430 Electric Waste Disposers</li> <li>UL 444 Communications Cables</li> <li>UL 448 Pumps for Fire-Protection Service</li> <li>UL 452 Antenna – Discharge Units</li> <li>UL 464 Audible Signal Appliances</li> <li>UL 466 Electric Scales</li> <li>UL 467 Grounding and Bonding Equipment</li> <li>UL 469 Musical Instruments and Accessories</li> <li>UL 471 Commercial Refrigerators and Freezers</li> <li>UL 474 Dehumidifiers</li> <li>UL 482 Portable Sun/Heat Lamps</li> <li>UL 484 Room Air Conditioners</li> <li>UL 486A-486B Wire Connectors</li> <li>UL 486C Splicing Wire Connectors</li> <li>UL 486D Sealed Wire Connector System</li> <li>UL 486E Equipment Wiring Terminals for Use with Aluminum and/or Copper Conductors</li> <li>UL 489 Molded-Case Circuit Breaker and Circuit-Breaker Enclosures</li> <li>UL 493 Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables</li> <li>UL 495 Power-Operated dispensing Devices for LP-Gas</li> <li>UL 497 Protectors for Paired Conductor Communications Circuits</li> <li>UL 497A Secondary Protectors for Communication Circuits</li> <li>UL 497B Protectors for Data Communication and Fire Alarm Circuits</li> <li>UL 497C Protectors for Coaxial Communication and Fire Alarm Circuits</li> <li>UL 498 Electrical Attachment Plugs and Receptacles</li> <li>UL 498A Current Taps and Adapters</li> <li>UL 496 Edison-Base Lampholders</li> <li>UL 499 Electric Heating Appliances</li> <li>UL 506 Specialty Transformers</li> <li>UL 507 Electric Fans</li> <li>UL 508 Electric Industrial Control Equipment</li> <li>UL 508A Industrial Control Equipment</li> <li>UL 508C Power Conversion Equipment</li> <li>UL 510 Insulating Tape</li> <li>UL 512 Fuseholders</li> </ul>	

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

**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**

	NAMES	LIMITS OF APPROVAL		APPROVED UNTIL
6.	<ul style="list-style-type: none"> <li>UL 514A Metallic Outlet Boxes, Electrical</li> <li>UL 514B Fittings for Conduit and Outlet Boxes</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 515 Electrical Resistance Heat Tracing for Commercial and Industrial Applications</li> <li>UL 521 Heat Detectors for Fire Protective Signaling Systems</li> <li>UL 539 Single and Multiple Station Heat Alarms</li> <li>UL 542 Lamp holders, Starters, and Starter Holders for Fluorescent Lamps</li> <li>UL 541 Refrigerated Vending Machines</li> <li>UL 544 Electric Medical and Dental Equipment</li> <li>UL 551 Transformer-Type Arc-Welding Machines</li> <li>UL 561 Floor-Finishing Machines</li> <li>UL 563 Ice Makers</li> <li>UL 568 Nonmetallic Cable Tray Systems</li> <li>UL 574 Electric Oil Heaters</li> <li>UL 583 Electric-Battery-Powered Industrial Trucks</li> <li>UL 588 Christmas-Tree and Decorative- Lighting Outfits</li> <li>UL 603 Power Supplies for Use with Burglar-Alarm Systems</li> <li>UL 606 Linings and Screens for Use with Burglar-Alarm Systems</li> <li>UL 609 Local Burglar-Alarm Units and Systems</li> <li>L 621 Ice Cream Makers</li> <li>UL 632 Electrically Actuated Transmitters</li> <li>UL 634 Connectors and Switches for Use with Burglar-Alarm Systems</li> <li>UL 635 Insulating Bushings</li> <li>UL 636 Holdup Alarm Units and Systems</li> <li>UL 639 Intrusion-Detection Units</li> <li>UL 651 Schedule 40 and 80 PVC Conduit</li> <li>UL 651A Type EB and A rigid PVC Conduit and HDPE Conduit</li> <li>UL 651B Continuous Length HDPE Conduit</li> <li>UL 664 Commercial Dry-Cleaning Machines (Type IV)</li> <li>UL 674 Electric Motors and Generators for Use in Hazardous Locations, Class I, Groups C and D, Class II, Groups E, F, and G</li> <li>UL 676 Underwater Lighting Fixtures</li> <li>UL 681 Installation and Classification of Burglar and Holdup Alarm Systems</li> <li>UL 696 Electric Toys</li> <li>UL 697 Toy Transforms</li> <li>UL 698 Industrial Control Equipment for Use in Hazardous (Classified) Locations</li> <li>UL 698A Industrial Control Panels Relating to Hazardous (Classified) Locations</li> <li>UL 705 Power Ventilators</li> <li>UL 710 Grease Extractors for Exhaust Ducts</li> <li>UL 711 Rating and Fire Testing of Fire Extinguishers</li> <li>UL 719 Nonmetallic Sheathes Cables</li> <li>UL 745-1 Portable Electric Tools</li> <li>UL 745-2-1 Drills</li> <li>UL 745-2-2 Screwdrivers and Impact Wrenches</li> <li>UL 745-2-3 Grinders, Polishers and Disk-type Sanders</li> <li>UL 745-2-4 Sanders</li> <li>UL 745-2-5 Circular Saws and Circular Knives</li> <li>UL 745-2-6 Particular Requirements for Hammers</li> <li>UL 745-2-8 Particular Requirements for Shears and Nibblers</li> <li>UL 745-2-9 Particular Requirements for Tappers</li> <li>UL 745-2-11 Reciprocating Saws</li> <li>UL 745-2-12 Concrete Vibrators</li> <li>UL 745-2-14 Planers</li> <li>UL 745-2-17 Routers and Trimmers</li> <li>UL 745-2-30 Staplers</li> <li>UL 745-2-31 Diamond Core Drills</li> <li>UL 745-2-32 Magnetic Drill Press</li> <li>UL 745-2-33 Portable Band saws</li> <li>UL 745-2-34 Strapping Tools</li> </ul>	<ul style="list-style-type: none"> <li>UL 745-2-35 Drain Cleaners</li> <li>UL 745-2-36 Hand Motor Tools</li> <li>UL 745-2-37 Plate Joiners</li> <li>UL 746A Polymeric Materials --Short Term Property Evaluations</li> <li>UL 746B Polymeric Materials -- Long Term Property Evaluations</li> <li>UL 746C Polymeric Materials – Use in Electrical Equipment Evaluations</li> <li>UL 746E Polymeric Materials – Industrial Laminates, Filament Wound Tubing, Vulcanized Fiber, and Materials Used in Printed Wiring Boards</li> <li>UL 749 Household Dishwashers</li> <li>UL 751 Vending Machines</li> <li>UL 756 Coin and Currency Changers and Actuators</li> <li>UL 763 Motor Operated Commercial Food Preparing Machines</li> <li>UL 773 Plug-In, Locking Type Photo-controls for Use with Area Lighting</li> <li>UL 773A Nonindustrial Photoelectric Switches for Lighting Control</li> <li>UL 775 Graphic Arts Equipment</li> <li>UL 781 Portable Electric Lighting Units for Use in Hazardous (Classified) Locations</li> <li>UL 778 Motor-Operated Water Pumps</li> <li>UL 783 Electric Flashlights and Lanterns for Use in Hazardous (Classified) Locations</li> <li>UL 789 Indicator Posts for Fire-Protection Service</li> <li>UL 796 Printed-Wiring Boards</li> <li>UL 791 Residential Incinerators</li> <li>UL 797 Electrical Metallic Tubing</li> <li>UL 797A Electrical Metallic Tubing – Aluminum</li> <li>UL 810 Capacitors</li> <li>UL 813 Commercial Audio Equipment</li> <li>UL 814 Gas-Tube-Sign and Ignition Cable</li> <li>UL 817 Cord Sets &amp; Power-Supply Cords</li> <li>UL 823 Electric Heaters for Use in Hazardous (Classified) Locations</li> <li>UL 826 Household Electric Clocks</li> <li>UL 827 Central-Stations for Watchman, Fire-Alarm, and Supervisory Services</li> <li>UL 834 Heating, Water Supply, and Power Boilers – Electric</li> <li>UL 844 Electric Lighting Fixtures for Use in Hazardous (Classified) Locations</li> <li>UL 845 Motor Control Centers</li> <li>UL 854 Service-Entrance Cables</li> <li>UL 857 Electric Busways and Associated Fittings</li> <li>UL 858A Safety-Related Solid-State Controls for Household Electric Ranges</li> <li>UL 858 Household Electric Ranges</li> <li>UL 859 Household Electric Personal Grooming Appliances</li> <li>UL 863 Electric Time-Indicating and Recording Appliance</li> <li>UL 864 Control Units for Fire-Protective Signaling Systems</li> <li>UL 867 Electrostatic Air Cleaners</li> <li>UL 869A Reference Standard for Service Equipment</li> <li>UL 870 Wireways, Auxiliary Gutters, and Associated Fittings</li> <li>UL 873 Electrical Temperature-Indicating and Regulating Equipment</li> <li>UL 875 Electric Dry Bath Heaters</li> <li>UL 877 Circuit Breakers and Circuit-Breaker Enclosures for Use in Hazardous (Classified) Locations</li> <li>UL 879 Electrode Receptacles for Gas-Tube Signs</li> <li>UL 884 Underfloor Raceways and Fittings</li> <li>UL 886 Electrical Outlet boxes and Fittings for Use in Hazardous (Classified) Locations</li> <li>UL 891 Dead-Front Electrical Switchboards</li> <li>UL 894 Switches for Use in Hazardous (Classified) Locations</li> </ul>	<ul style="list-style-type: none"> <li>UL 913 Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous Locations</li> <li>UL 916 Energy Management Equipment</li> <li>UL 917 Clock Operated Switches</li> <li>UL 921 Commercial Electric Dishwashers</li> <li>UL 923 Microwave Cooking Appliances</li> <li>UL 924 Emergency Lighting and Power Equipment</li> <li>UL 935 Fluorescent-Lamp Bassasts</li> <li>UL 943 Ground-Fault Circuit Interrupters</li> <li>UL 943B Appliance Leakage-Current Interruptor</li> <li>UL 961 Electric Hobby and Sports Equipment</li> <li>UL 963 Sealing, Wrapping, and Marking Equipment</li> <li>UL 964 Electrically Heated Bedding</li> <li>UL 969 Marking and Labeling Systems</li> <li>UL 977 Fuse Power-Circuit Devices</li> <li>UL 982 Motor-Operated Household Food Preparing Machines</li> <li>UL 983 Surveillance Camera Units</li> <li>UL 984 Hermetic Refrigerant Motor-Compressors</li> <li>UL 985 Household Fire Warning System Units</li> <li>UL 987 Stationary and Fixed Electric Tools</li> <li>UL 991 Safety-Related Controls Employing Solid-State Devices</li> <li>UL 998 Humidifiers</li> <li>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</li> <li>UL 1004 Electric Motors</li> <li>UL 1005 Electric Flatirons</li> <li>UL 1008 Transfer Switch Equipment</li> <li>UL 1010 Receptacle-Plug Combinations for Use in Hazardous (Classified) Locations</li> <li>UL 1012 Power Units Other Than Class 2</li> <li>UL 1017 Electric Vacuum Cleaner Machines and Blower Cleaners</li> <li>UL 1018 Electric Aquarium Equipment</li> <li>UL 1020 Thermal Cutoffs for Use in Electrical Appliances and Components</li> <li>UL 1022 Line Isolated Monitors</li> <li>UL 1023 Household Burglar-Alarm System Units</li> <li>UL 1026 Household Electric Cooking and Food-Serving Appliances</li> <li>UL 1028 Hair Clipping and Shaving Appliances</li> <li>UL 1029 High-Intensity Discharge Lamp Ballasts</li> <li>UL 1030 Sheathed Heating Elements</li> <li>UL 1034 Burglary Resistant Electric Locking Mechanisms</li> <li>UL 1037 Antitheft Alarms and Devices</li> <li>UL 1042 Electric Baseboard Heating Equipment</li> <li>UL 1047 Isolated Power Systems Equipment</li> <li>UL 1053 Ground-Fault Sensing and Relaying Equipment</li> <li>UL 1054 Special-Use Switches</li> <li>UL 1059 Electrical Terminal Blocks</li> <li>UL 1062 Unit Substations</li> <li>UL 1063 Machine-Tool Wires and Cables</li> <li>UL 1066 Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures</li> <li>UL 1069 Hospital Signaling and Nurse-Call System</li> <li>UL 1072 Medium Voltage Cables</li> <li>UL 1076 Proprietary Burglar Alarm Units and Systems</li> <li>UL 1077 Supplementary Protectors for Use in Electrical Equipment</li> <li>UL 1081 Electric Swimming Pool Pumps, Filters, and Chlorinators</li> <li>UL 1082 Household electric Coffee Makers and Brewing-Type Appliances</li> <li>UL 1083 Household Electric Skillets and Frying-Type Appliances</li> </ul>	June 1, 2019



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

**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**

	NAMES	LIMITS OF APPROVAL	APPROVED UNTIL	
6.	<ul style="list-style-type: none"> <li>UL 1086 Household Trash Compactors</li> <li>UL 1088 Temporary Lighting Strings</li> <li>UL 1283 Electromagnetic-Interference Filter</li> <li>UL 1286 Office Furnishings</li> <li>UL 1090 Electric Snow Movers</li> <li>UL 1097 Double Insulation Systems for Use in Electrical Equipment</li> <li>UL 1203 Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations</li> <li>UL 1206 Electrical Commercial Clothes-Washing Equipment</li> <li>UL 1207 Sewage Pumps for Use in Hazardous (Classified) Locations</li> <li>UL 1230 Amateur Movie Lights</li> <li>UL 1236 Electric Battery Charges</li> <li>UL 1238 Control Equipment for Use with Flammable Liquid Dispensing Devices</li> <li>UL 1240 Electric Commercial Clothes-Drying Equipment</li> <li>UL 1241 Junction Boxes for Swimming Pool Lighting Fixtures</li> <li>UL 1242 Intermediate Metal Conduit</li> <li>UL 1244 Electrical and Electronic Measuring and Testing Equipment</li> <li>UL 1261 Electric Water Heaters for Pools and Tubs</li> <li>UL 1262 Laboratory Equipment</li> <li>UL 1277 Electrical Power and Control Tray Cables with Optional Optical-Fiber Members</li> <li>UL 1278 Movable and Wall or Ceiling-Hung Electric Room Heaters</li> <li>UL 1310 Direct Plug-In Transformer Units</li> <li>UL 1363 Relocatable Power Taps</li> <li>UL 1411 Transformers and Motor Transformers for Use in Audio-, Radio-, and Television-Type Appliances</li> <li>UL 1412 Fusing Resistors and Temperature-Limited Resistors for Radio- and Television- Type Appliances</li> <li>UL 1413 High-Voltage Components for Television-Type Appliances</li> <li>UL 1414 Across-the-Line, Antenna-Coupling, and Line-By-Pass Capacitors for Radio- and Television-Type Appliances</li> <li>UL 1419 Professional Video and Audio Equipment</li> <li>UL 1424 Cables for Power-Limited Fire-Protective-Signaling circuits</li> <li>UL 1425 Cables for Non-Power-Limited Fire-Alarm Circuits</li> <li>UL 1431 Personal Hygiene and Health Care Appliances</li> <li>UL 1433 Control Centers for Changing Message Type Electric Signs</li> <li>UL 1434 Thermistor-Type Devices</li> <li>UL 1436 Outlet Circuit Testers and Similar Indicating Devices</li> <li>UL 1437 Electrical Analog Instruments-Panel Board Type</li> <li>UL 1445 Electric Water Bed Heaters</li> <li>UL 1446 Systems of Insulating Materials-General</li> <li>UL 1447 Electric Lawn Mowers</li> <li>UL 1448 Electric Hedge Trimmers</li> <li>UL 1449 Transient Voltage Surge Suppressors</li> <li>UL 1450 Motor-Operated Air Compressors, Vacuum Pumps and Painting Equipment</li> <li>UL 1453 Electric Booster and Commercial Storage Tank Water Heaters</li> <li>UL 1468 Direct Acting Pressure Reducing and Pressure Restricting</li> <li>UL 1472 Solid-State Dimming Controls</li> <li>UL 1480 Speakers for Fire Protective Signaling Systems</li> <li>UL 1481 Power Supplies for Fire Protective Signaling Systems</li> <li>UL 1482 Solid Fuel Room Type Heaters</li> <li>UL 1484 Residential Gas Detectors</li> <li>UL 1492 Audio and Video Equipment</li> <li>UL 1557 Electrically Isolated Semiconductor Devices</li> </ul>	<ul style="list-style-type: none"> <li>UL 1558 Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear</li> <li>UL 1559 Insect-Control Equipment, Electrocutation Type</li> <li>UL 1561 Large General Purpose Transformers</li> <li>UL 1562 Transformers, Distribution, Dry-Type -- Over 600 Volts</li> <li>UL 1563 Electric Hot Tubs, Spas, and Associated Equipment</li> <li>UL 1564 Industrial Battery Chargers</li> <li>UL 1565 Wire Positioning Devices</li> <li>UL 1567 Receptacles and Switches for Use With Aluminum Wire</li> <li>UL 1569 Metal-Clad Cables</li> <li>UL 1573 Stage and Studio Lighting Units</li> <li>UL 1574 Track Lighting Systems</li> <li>UL 1577 Optical Isolators</li> <li>UL 1581 Reference Standard for Electrical Wires, Cables, and Flexible Cords</li> <li>UL 1585 Class 2 and Class 3 Transformers</li> <li>UL 1594 Sewing and Cutting Machines</li> <li>UL 1598 Luminaries</li> <li>UL 1604 Electrical Equipment for Use in Class I and II, Division 2, and Class III Hazardous (Classified) Locations</li> <li>UL 1610 Central-Station Burglar-Alarm Units</li> <li>UL 1635 Digital Alarm Communicator System Units</li> <li>UL 1637 Home Health Care Signaling Equipment</li> <li>UL 1638 Visual Signaling Appliances</li> <li>UL 1640 Portable Power Distribution Units</li> <li>UL 1651 Optical Fiber Cable</li> <li>UL 1653 Electrical Nonmetallic Tubing</li> <li>UL 1655 Community-Antenna Television Cables</li> <li>UL 1660 Liquid-Tight Flexible Nonmetallic Conduit</li> <li>UL 1662 Electric Chain Saws</li> <li>UL 1673 Electric Space Heating Cables</li> <li>UL 1676 Discharge Path Resistors</li> <li>UL 1681 Wiring Device Configurations</li> <li>UL 1682 Plugs, Receptacles, and Cable Connectors, of the Pin and Sleeve Type</li> <li>UL 1690 Data-Processing Cables</li> <li>UL 1693 Electric Radiant Heating Panels and Heating Panel Sets</li> <li>UL 1694 Tests for Flammability of Small Polymeric Component Materials</li> <li>UL 1699 Arc-Fault Circuit-Interrupters</li> <li>UL 1647 Motor-Operated Massage and Exercise Machines Appliances</li> <li>UL 1703 Flat Plate Photovoltaic Modules and Panels</li> <li>UL 1711 Amplifiers for Fire Protective Signaling Systems</li> <li>UL 1727 Commercial Electric Personal Grooming</li> <li>UL 1730 Smoke Detector Monitors and Accessories for Individual Living Units of Multifamily Residences and Hotel/Motel Rooms</li> <li>UL 1738 Venting Systems for Gas-Burning Appliances, Categories II, III, and IV</li> <li>UL 1740 Industrial Robots and Robotic Equipment Systems</li> <li>UL 1741 Inverters, Converters, and Controllers for Use in Independent Power</li> <li>UL 1773 Termination Boxes</li> <li>UL 1776 High-Pressure Cleaning Machines</li> <li>UL 1778 Uninterruptible Power Supply Equipment</li> <li>UL 1786 Nightlights</li> <li>UL 1795 Hydro-massage Bathtubs</li> <li>UL 1812 Ducted Heat Recovery Ventilators</li> <li>UL 1815 Non-ducted Heat Recovery Ventilators</li> <li>UL 1821 Thermoplastic Sprinkler Pipe and Fittings for Fire Protection Service</li> <li>UL 1838 Low Voltage Landscape Lighting Systems</li> <li>UL 1863 Communication Circuit Accessories</li> <li>UL 1876 Isolating Signal and Feedback Transformers for Use in Electronic Equipment</li> <li>UL 1887 Fire Test of Plastic Sprinkler Pipe for Flame and Smoke Characteristics</li> </ul>	<ul style="list-style-type: none"> <li>UL 1889 Commercial Filters for Cooking Oil</li> <li>UL 1917 Solid-State Fan Speed Controls</li> <li>UL 1951 Electric Plumbing Accessories</li> <li>UL 1963 Refrigerant Recovery/Recycling Equipment</li> <li>UL 1971 Signaling Devices for the Hearing Impaired</li> <li>UL 1977 Component Connectors for Use in Data, Signal, Control and Power Applications</li> <li>UL 1981 Central Station Automation Systems</li> <li>UL 1993 Self-Ballasted Lamps and Lamp Adapters</li> <li>UL 1994 Low-Level Path Marking and Lighting Systems</li> <li>UL 1995 Heating and Cooling Equipment</li> <li>UL 1996 Duct Heaters</li> <li>UL 2017(1) General Purpose Signaling Devices and Systems</li> <li>UL 2021 Field Erected Boiler Assemblies</li> <li>UL 2024 Optical Fiber Cable Raceway</li> <li>UL 2034 Single and Multiple Station Carbon Monoxide Detectors</li> <li>UL 2044 Commercial Closed Circuit Television Equipment</li> <li>UL 2083 Halon 1301 Recovery/Recycling Equipment</li> <li>UL 2089(2) Vehicle Battery Adapters</li> <li>UL 2096 Commercial/Industrial Gas and/or Gas Fired Heating Assemblies with Emission Reduction Equipment</li> <li>UL 2097 Double Insulation Systems for Use in Electronic Equipment</li> <li>UL 2111 Overheating Protection for Motors</li> <li>UL 2125 Motor-Operated Air Compressors for Use in Sprinkler Systems</li> <li>UL 2157 Electric Clothes Washing Machines and Extractors</li> <li>UL 2158 Electric Clothes Dryers</li> <li>UL 2161 Neon Transformers and Power Supplies</li> <li>UL 2202 Electric Vehicle (EV) Charging System Equipment</li> <li>UL 2227 Overfilling Prevention Devices</li> <li>UL 2250 Instrumentation Tray Cable</li> <li>UL 2200 Stationary Engine Generator Assemblies</li> <li>UL 2388 Flexible Lighting Products</li> <li>UL 3044 Surveillance Closed Circuit Television Equipment</li> <li>UL 2703 Mounting systems, mounting devices, clamping/retention devices, and ground lugs for use with Flat-Plate Photovoltaic Modules And Panels</li> <li>UL 4703 Photovoltaic Wire</li> <li>UL 5085-1 Low Voltage Transformers-Part 1: General Requirements</li> <li>UL 5085-3 Low Voltage Transformers-Part 3: Class 2 and Class 3 Transformers</li> <li>UL 6500 Audio/Video and Musical Instrument Apparatus for Household, Commercial, and Similar General Use</li> <li>UL 60065 Audio, Video and Similar Electronic Apparatus.</li> <li>UL 60335-1 Safety of Household and Similar Electrical Appliances, Part 1: General Requirements</li> <li>UL 60335-2-8 Household and Similar Electrical Appliances, Part 2: Particular Requirements for Shavers, Hair Clippers, and Similar Appliances</li> <li>UL 60335-2-34 Household and Similar Electrical Appliances, Part 2; Particular Requirements for Motor-Compressors</li> </ul>	June 1, 2019

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

**NAMES**

**LIMITS OF APPROVAL**


**APPROVED UNTIL**

	NAMES	LIMITS OF APPROVAL	APPROVED UNTIL
6.	<p>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            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</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            UL 61010A-2-051 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Equipment for Mixing and Stirring            UL 61010A-2-061 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Atomic Spectrometers with Thermal Atomization and Ionization            UL 61010B-1 Electrical Measuring and Test Equipment; Part 1: General Requirements            UL 61010B-2-031 Electrical Equipment for Measurement, Control, and Laboratory Use; Part 2: Particular Requirements for Hand-Held Probe Assemblies for Electrical Measurement and Test            UL 61010C-1 Process Control Equipment            UL 8750 Light Emitting Diode (LED) Equipment for use in lighting products</p>	<p align="right">June 1, 2019</p>

NAMES

LIMITS OF APPROVAL

APPROVED UNTIL

	NAMES	LIMITS OF APPROVAL	APPROVED UNTIL	
7.	<p><b>MET Laboratories, Inc.</b></p> <p><b>914 West Patapsco Ave.            Baltimore, Maryland 21230</b>            Tel. (410) 354-3300</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</p>	<p>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            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</p>	<p>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            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</p>	<p>July 19, 2019</p>



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

**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**

	NAMES	LIMITS OF APPROVAL	APPROVED UNTIL
7.	<ul style="list-style-type: none"> <li>UL 2044 Commercial Closed Circuit Television Equipment</li> <li>UL 2089 Vehicle Battery Adapters</li> <li>UL 2157 Electric Clothes Washing Machines and Extractors</li> <li>UL 2158 Electric Clothes Dryers</li> <li>UL 2161 Neon Transformers and Power Supplies</li> <li>UL 2202 Electric Vehicle (EV) Charging System Equipment</li> <li>UL 3044 Surveillance Closed Circuit Television Equipment</li> <li>UL 5085-1 Low Voltage Transformers—Part 1: General Requirements</li> <li>UL 5085-3 Low Voltage Transformers—Part 3: Class 2 and Class 3 Transformers</li> <li>UL 6500 Audio/Visual and Musical Instrument Apparatus for Household, Commercial, and Similar General Use</li> <li>UL 60065 Audio, Video and Similar Electronic Apparatus.</li> <li>UL 60335-1 Safety of Household and Similar Electrical Appliances, Part 1; General Requirements</li> <li>UL 60335-2-3 Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electric Irons</li> <li>UL 60335-2-8 Household and Similar Electrical Appliances, Part 2: Particular Requirements for Shavers, Hair Clippers, and Similar Appliances</li> <li>UL 60335-2-34 Household and Similar Electrical Appliances, Part 2; Particular Requirements for Motor Compressors.</li> <li>UL 60601-1 Medical Electrical Equipment, Part 1: General Requirements for Safety</li> <li>UL 60745-1 Hand-Held Motor-Operated Electric Tools—Safety—Part 1: General</li> <li>UL 60745-2-2 Hand-Held Motor-Operated Electric Tools—Safety—Part-2-2: Particular Requirements for Screwdrivers and Impact Wrenches</li> <li>UL 60745-2-4 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-4: Particular Requirements for Sanders and Polishers Other Than Disk</li> <li>UL 60745-2-6 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-6: Particular Requirements for Hammers</li> <li>UL 60745-2-8 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-8: Particular Requirements for Shears and Nibblers</li> <li>UL 60745-2-9 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-9: Particular Requirements for Tappers</li> <li>UL 60745-2-11 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-11: Particular Requirements for Reciprocating Saws</li> <li>UL 60745-2-12 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-12: Particular Requirements for Concrete Vibrators</li> <li>UL 60745-2-16 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-16: Particular Requirements for Trackers</li> <li>UL 60745-2-18 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-18: Particular Requirements for Strapping Tools</li> <li>UL 60745-2-20 Hand-Held Motor-Operated Electric Tools—Safety—Part 2-20: Particular Requirements for Band Saws</li> <li>UL 60950 Information Technology Equipment</li> <li>UL 61010A-1 Electrical Equipment For Laboratory Use; Part 1: General Requirements</li> <li>UL 61010B-1 Electrical Measuring and Test Equipment; Part 1: General Requirements</li> <li>UL 610101C-1 Process Control Equipment</li> </ul>		July 19, 2019

**City of Los Angeles**  
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**FOR LISTING OF ELECTRICAL EQUIPMENT**

**NAMES**

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**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 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, 2018
	<p><b>789 North Dixboro Road, Ann Arbor, Michigan 48105 (800) 673-6275</b></p>   <p><b>NSF® NRTL</b></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 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 and 80 PVC conduit                  UL 651A Type FB and A Rigid PVC Conduit and 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, 2019

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

**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**


10.	NAMES	LIMITS OF APPROVAL	APPROVED UNTIL
	<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>	<p>May 1, 2019</p>

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

NAMES

LIMITS OF APPROVAL

APPROVED UNTIL


	NAMES	LIMITS OF APPROVAL	APPROVED UNTIL	
11.	<p><b>TUV SUD America, Inc.</b></p>  <p>Peabody Office  <b>10 Technology Dr</b>  <b>Peabody, Ma 01960</b>                      Tel. (978) 573-2500</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</p> <p><b>1775 Old Highway 8 NW, Suite 104</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> <ul style="list-style-type: none"> <li>UL 22 Amusement and Gaming Machines</li> <li>UL 45 Portable Electric Tools</li> <li>UL 48 Electric Signs</li> <li>UL 50 Enclosures for Electrical Equipment</li> <li>UL 67 Panelboards</li> <li>UL 69 Electric Fence Controllers</li> <li>UL 73 Motor-Operated Appliances</li> <li>UL 82 Electric Gardening Appliances</li> <li>UL 197 Commercial Electric Cooking Appliances</li> <li>UL 201 Garage Equipment</li> <li>UL 250 Household Refrigerators and Freezers</li> <li>UL 291 Automated Teller Systems</li> <li>UL 325 Door, Rapery, Gate, Louver, and Window Operators and Systems</li> <li>UL 399 Drinking Water Coolers</li> <li>UL 427 Refrigerating Units</li> <li>UL 467 Electrical Grounding and Bonding Equipment</li> <li>UL 471 Commercial Refrigerators and Freezers</li> <li>UL 474 Dehumidifiers</li> <li>UL 482 Portable Sun/Heat Lamps</li> <li>UL 497A Secondary Protectors for Communication Circuits</li> <li>UL 499 Electric Heating Appliances</li> <li>UL 506 Specialty Transformers</li> <li>UL 507 Electric Fans</li> <li>UL 508 Industrial Control Equipment</li> <li>UL 508a Industrial Control Panels</li> <li>UL 508c Power Conversion Equipment</li> <li>UL 541 Refrigerated Vending Machines</li> <li>UL 551 Transformer-type Arc-welding Machines</li> <li>UL 561 Floor-Finishing Machines</li> <li>UL 563 Ice Makers</li> <li>UL 588 Seasonal and Holiday Decorative Products</li> <li>UL 676 Underwater Luminaires and Submersible Junction Boxes</li> <li>UL 696 Electric Toys</li> <li>UL 697 Toy Transformers</li> <li>UL 745 1 Portable Electric Toys</li> <li>UL 745 2 1 Particular Requirements for Drills</li> <li>UL 745 2 2 Particular Requirements for Screwdrivers and Impact Wrenches</li> <li>UL 745 2 3 Particular Requirements for Grinders, Polishers, and Disk Type Sanders</li> <li>UL 745 2 4 Particular Requirements for Sanders</li> <li>UL 745 2 5 Particular Requirements for Circular Saws and Circular Knives</li> <li>UL 745 2 6 Particular Requirements for Hammers</li> <li>UL 745 2 8 Particular Requirements for Shears and Nibblers</li> <li>UL 745 2 9 Particular Requirements for Tappers</li> <li>UL 745 2 11 Particular Requirements for Reciprocating Saws</li> <li>UL 745 2 12 Particular Requirements for Concrete Vibrators</li> <li>UL 745 2 14 Particular Requirements for Planers</li> <li>UL 745 2 17 Particular Requirements for Routers And Trimmers</li> <li>UL 745 2 30 Particular Requirements for Staplers</li> <li>UL 745 2 31 Particular Requirements for Diamond Core Drills</li> <li>UL 745 2 32 Particular Requirements for Magnetic Drill Presses</li> <li>UL 745 2 33 Particular Requirements for Portable Bandsaws</li> </ul>	<p>(TUV America recognition continued)</p> <ul style="list-style-type: none"> <li>UL 745 2 34 Particular Requirements for Strapping Tools</li> <li>UL 745 2 35 Particular Requirements for Drain Cleaners</li> <li>UL 745 2 36 Particular Requirements for Hand Motor Tools</li> <li>UL 745 2 37 Particular Requirements for Plate Jointers</li> <li>UL 749 Household Dishwashers</li> <li>UL 751 Vending Machines</li> <li>UL 763 Motor-Operated Commercial Food Preparing Machines</li> <li>UL 775 Graphic Arts Equipment</li> <li>UL 778 Motor Operated Water Pumps</li> <li>UL 813 Commercial Audio Equipment</li> <li>UL 826 Household Electric Clocks</li> <li>UL 858 Household Electric Ranges</li> <li>UL 859 Household Electric Personal Grooming Appliances</li> <li>UL 867 Electrostatic Air Cleaners</li> <li>UL 873 Temperature-Indicating and -Regulating Equipment</li> <li>UL 875 Electric Dry-Bath Heaters</li> <li>UL 921 Commercial Dishwashers</li> <li>UL 923 Microwave Cooking Appliances</li> <li>UL 935 Flourescent Lamp Ballasts</li> <li>UL 963 Sealing, Wrapping, and Marking Machines</li> <li>UL 969 Marking and Labeling Systems</li> <li>UL 977 Fused Power Circuit Devices</li> <li>UL 979 Water Treatment Appliances</li> <li>UL 982 Motor-operated Household Food Preparing Machines</li> <li>UL 984 Hermetic Refrigerant Motor Compressors</li> <li>UL 987 Stationary and Fixed Electric Tools</li> <li>UL 998 Humidifiers</li> <li>UL 1004 Electric Motors</li> <li>UL 1005 Electric Flatirons</li> <li>UL 1012 Power Units Other Than Class 2</li> <li>UL 1017 Vacuum Cleaners, Blower Cleaners, and Household Floor Finishing Machines</li> <li>UL 1018 Electric Aquarium Equipment</li> <li>UL 1026 Electric Household Cooking and Food Serving Appliances</li> <li>UL 1028 Hair Clipping and Shaving Appliances</li> <li>UL 1030 Sheathed Heating Elements</li> <li>UL 1082 Household Electric Coffee Makers and Brewing-Type Appliances</li> <li>UL 1083 Household Electric Skillets and Frying-Type Appliances</li> <li>UL 1086 Household Trash Compactors</li> <li>UL 1088 Temporary Lighting Strings</li> <li>UL 1090 Electric Snow Movers</li> <li>UL 1097 Double Insulation Systems for Use in Electrical Equipment</li> <li>UL 1206 Electric Commercial Clothes Washing Equipment</li> <li>UL 1230 Amateur Movie Lights</li> <li>UL 1236 Battery Chargers for Charging Engine-Starter Batteries</li> <li>UL 1240 Electric Commercial Clothes Drying Equipment</li> <li>UL 1278 Movable and Wall-or Ceiling-Hung Electric Room Heaters</li> <li>UL 1310 Class 2 Power Units</li> <li>UL 1244 Electrical and Electronic Measuring and Testing Equipment</li> </ul>	<p>September 30, 2019</p>

**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>	
11.	<p><b>TUV SUD America, Inc.</b></p>  <p>Peabody Office  <b>10 Technology Dr</b>  <b>Peabody, Ma 01960</b>                  Tel. (978) 573-2500</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>1775 Old Highway 8 NW, Suite 104</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, 2019</p>



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12.	<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>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            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 Photographi 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 Speciality 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 745-1 Portale 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, 2019</p>

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(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 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</p>	<p>(TUV Rheinland recognition continued)</p> <p>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 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, Electrocutation 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</p>	<p>August 15, 2019</p>

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(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 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            UL 2044 Commercial Closed Circuit Television Equipment            UL 2097 Double Insulated Systems for Use in Electronic Equipment            UL 2106 Field Erected Boiler Assemblies            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 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 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</p>	<p>(TUV Rheinland recognition continued)</p> <p>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 60950 Information Technology Equipment            UL 61058-1 Switch for Appliances for Household and Similar Applications</p> <p>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>August 15, 2019</p>

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	NAMES	LIMITS OF APPROVAL		APPROVED UNTIL
13.	<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            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</p>	<p>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            UL 125 Valves for Anhydrous Ammonia And LP-Gas (Other Than Safety Relief)</p>	<p>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, 2019</p>

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

**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**

	NAMES	LIMITS OF APPROVAL		APPROVED UNTIL
13.	<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 Burnin            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 346 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 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            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</p>	April 9, 2019

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**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**

13.	<p>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 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</p>	<p>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 ANSI/UL 745-2-36 Particular Requirements for Hand Motor Tools ANSI/UL 745-2-37 Particular Requirements for Plate Jointers ANSI/UL 7456A Polymeric Materials—Short Term Property Evaluations ANSI/UL 746B Polymeric Materials—Long Term Property Evaluations ANSI/UL 746C Polymeric Materials—Use in Electrical Equipment Evaluations ANSI/UL 746E Polymeric Materials—Industrial Laminates, Filament Wound Tubing, Vulcanized Fiber, are Materials Used in Printed Wiring Boards ANSI/UL 749 Household Dishwashers ANSI/UL 751 Vending Machines ANSI/UL 753 Alarm Accessories for Automatic Water-Supply Control Valves for Fire-Protection Service ANSI/UL 756 Coin and Currency Changers and Actuators UL 763 Motor-Operated Commercial Food Preparing Machines ANSI/UL 773 Plug-In-Locking-Type Photo controls for Use With Area Lighting ANSI/UL 773A Nonindustrial Photoelectric Switches for Lighting Control UL 775 Graphic Arts Equipment ANSI/UL 778 Motor-Operated Water Pumps ANSI/UL 781 Portable Electric Lighting Units for Use in Hazardous (Classified) Locations ANSI/UL 783 Electric Flashlights and Lanterns for Use in Hazardous Locations, Class I, Group C and D UL 789 Indicator Posts for Fire-Protection Service UL 791 Residential Incinerators UL 795 Commercial-Industrial Gas-Heating Equipment ANSI/UL 796 Printed-Wiring Boards ANSI/UL 797 Electrical Metallic Tubing UL 797A Electrical Metallic Tubing – Aluminum UL 810 Capacitors ANSI/UL 813 Commercial Audio Equipment ANSI/UL 814 Gas-Tube-Sign and Ignition Cable ANSI/UL 817 Cord Sets and Power-Supply Cords ANSI/UL 823 Electric Heaters for Use in Hazardous (Classified) Locations ANSI/UL 826 Household Electric Clocks ANSI/UL 827 Central Stations for Watchman, Fire-Alarm, and Supervisory Services ANSI/UL 834 Heating, Water Supply, and Power Boilers - - Electric UL 842 Valves for Flammable Fluids ANSI/UL 844 Electric Lighting Fixtures for Use in Hazardous (Classified) Locations</p>	<p>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 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</p>	<p>April 9, 2019</p>
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**NAMES**

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**APPROVED UNTIL**

13.	<p>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 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 Skillet 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</p>	<p>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 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</p>	<p>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 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</p>	<p>April 9, 2019</p>
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13.	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 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 <th data-bbox="552 262 1006 273">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 ANSI/UL 2044 Commercial Closed Circuit Television Equipment UL 2061 Adapters and Cylinder Connection Devices for Portable LP-Gas Cylinder Assemblies ANSI/UL 2083 Halon 1301 Recovery/Recycling Equipment UL 2085 Insulated Aboveground Tanks for Flammable and Combustible Liquids UL 2089 Vehicle Battery Adapters ANSI/UL 2096 Commercial/Industrial Gas and/or Gas Fired Heating Assemblies with Emission Reduction Equipment UL 2097 Reference Standard for Double Insulation Systems for Use in Electronic Equipment UL 2106 Field Erected Boiler Assemblies UL 2111 Overheating Protection for Motors UL 2125 Motor-Operated Air Compressors for Use in Sprinkler Systems UL 2127 Inert Gas Clean Agent Extinguishing System Unit UL 2129 Standard for Safety for Halocarbon Clean Agent Fire Extinguishers ANSI/UL 2157 Electric Clothes Washing Machines and Extractors ANSI/UL 2158 Electric Clothes Dryers UL 2161 Neon Transformers and Power Supplies UL 2166 Halocarbon Clean Agent Extinguishing System Units UL 2200 Stationary Engine Generator Assemblies UL 2202 Electric Vehicle (EV) Charging System Equipment UL 2227 Overfilling Prevention Devices UL 2250 Instrumentation Tray Cable UL 2305 Exhibition Display Units, Fabrication and Installation UL 2351 Spray Nozzles for Fire-Protection Service 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 6500 Audio/Video and Musical Instrument Apparatus for Household, Commercial, and Similar General Use UL 9540 Safety Energy Storage and Equipment UL 60065 Audio, Video and Similar electronic Apparatus UL 60335-1 Safety of Household and Similar Electrical Appliances, Part 1: General Requirements <th data-bbox="1006 262 1429 273">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, Part1: General Requirements for Safety 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 Sensing Hermetic Type UL 60730-2-6 Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Automatic Electrical Pressure Sensing Controls Including Mechanical Requirements UL 60730-2-7 Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for 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Equipment UL 61010A-1 Electrical Equipment for Laboratory Use; Part 1: General Requirements UL 61010A-2-010 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Equipment for the Heating of Materials UL 61010A-2-020 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Centrifuges UL 61010A-2-041 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Autoclaves Using Steam for the Treatment of Medical Materials for Laboratory Processes <th data-bbox="1429 262 1559 273">April 9, 2019</th> </th></th>	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 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**City of Los Angeles**  
**RECOGNIZED ELECTRICAL TESTING LABORATORIES**  
**FOR LISTING OF ELECTRICAL EQUIPMENT**

**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**


	NAMES	LIMITS OF APPROVAL		APPROVED UNTIL
13.	<b>UL LLC</b>	UL 61010A-2-042 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Autoclaves and Sterilizers Using Toxic Gas for the Treatment of Medical Materials, and for Laboratory Processes UL 61010A-2-051 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Equipment Mixing and Stirring UL 61010-2-061 Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Atomic Spectrometers with Thermal Atomization and Ionization UL 61010B-1 Electrical Measuring and Test Equipment; Part 1: General Requirements UL 61010B-2-031 Electrical Equipment for Measurement, Control, and Laboratory Use; Part 2: Particular Requirements for Hand-Held Probe Assemblies for Electrical Measurement and Test UL 61010C-1 Process Control Equipment UL 61058-1 Switches for Appliances	UL 8750 Light Emitting Diode (LED) Equipment for use in lighting products	April 9, 2019

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

**NAMES**

**LIMITS OF APPROVAL**

**APPROVED UNTIL**

14.	 <p><b>SGS North America, Inc.</b></p> <p>620 Old Peachtree Rd          Suwanee, GA 30024          Tel. (770) 570-1800  <a href="http://www.us.sgs.com">www.us.sgs.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          UL 48 Electric Signs          UL 62 Flexible Cords and Cables          UL 65 Wired Cabinets          UL 73 Motor-Operated Appliances          ANSI/UL 94 Tests for Flammability of Plastic Materials for Parts in Devices and Appliances          UL 153 Electric Luminaries          ANSI/UL 250 Household Refrigerators and Freezers          UL 355 Cord Reels          UL 482 Portable Sun/Heat Lamps          UL 498 Attachment Plugs and Receptacles          UL 498A Current Taps and Adapters          UL 507 Electric Fans          UL 508A Industrial Control Panels          ANSI/UL 514A Metallic Outlet Boxes, Electrical          UL 544 Electric Medical and Dental Equipment          ANSI/UL 632 Electrically Actuated Transmitters          UL 676 Underwater Luminaires and Submersible Junction Boxes          ANSI/UL 696 Electric Toys          ANSI/UL 697 Toy Transformers          ANSI/UL 751 Vending Machines          UL 783 Electric Flashlights and Lanterns for Use in Hazardous (Classified) Locations          UL 817 Cord Sets and Power-Supply cords          ANSI/UL 913 Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division I, Hazardous (Classified) Locations          UL 982 Motor-Operated Household Food Preparing Machines          ANSI/UL 1012 Power Supplies          UL 1026 Electric Household Cooking and Food Serving Appliances          UL 1028 Hair Clipping and Shaving Appliances          UL 1088 Temporary Lighting Strings          UL 1236 Electric Battery Chargers          ANSI/UL 1310 Class 2 Power Units          UL 1363 Relocatable Power Taps          UL 1431 Personal Hygiene and Health Care Appliances          ANSI/UL 1484 Residential Gas Detectors          UL 1492 Audio-Video Products and Accessories          UL 1581 Electrical Wires, Cables, and Flexible Cords          UL 1598 Luminaries          UL 1604 Electrical Equipment for Use in Class I, and II, Division 2 and Class II Hazardous (Classified) Locations          UL 1786 Direct Plug-in Nightlights          UL 1778 Uninterruptable Power Systems          UL 1993 Self-Ballasted Lamps and Lamp Adapters          UL 2089 Vehicle Battery Adapters          ANSI/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 60335-2-3 Standard for Safety of Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electric Irons</p>	<p>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 60745-2-18 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 61010A-1 Electrical Equipment For Laboratory Use; Part 1: General Requirements          UL 61010B-1 Electrical Measuring and Test Equipment; Part 1: General Requirements          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 8750 Light Emitting Diode (LED) Equipment for use in lighting products</p>	<p>September 1, 2018</p>
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**Note: Each listed or certified equipment shall be marked with:**

- A. A listing or certification mark or logo unique to that organization,**
- B. The name or location of the approving branch laboratory.**