

Standard Information

Standard Number: UL 1082

Standard Name: Household Electric Coffee Makers and Brewing-Type Appliances

Standard Edition and Issue Date: 6th Edition Dated March 17, 2009

Date of Revision: September 29, 2016

Date of Previous Revision of Standard: 6th Edition Dated September 2, 2016

Effective Date of New/Revised Requirements

Effective Date (see Schedule below): **October 31, 2017**

Impact, Overview, Fees and Action Required

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revised requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.

Overview of Changes (Specific details of new/revised requirements are found in table below):

- Added Transient Voltage Testing to counter top and household portable appliances that remain connected to the electrical supply
- Revised the Hospitality-Use Supplement
- Added Insertion/Withdrawal Test for Electric Kettles
- Revised the Instruction Manual for appliances provided with a display clock
- Added reference to UL 4200A to components utilizing coin cell batteries

If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).

Schedule: So that shipping of products with Listing Marks will not be interrupted, an **approximate** schedule has been established to ensure Listing Reports are found compliant by Effective Date:

- December 28, 2016 = 10 Month Report Review – Intertek will review all Reports. Update if compliance is verified or issue Findings Letter/Quote for any re-evaluations needed
- April 28, 2017 = 6 Month Quote Cut-off – Quotes returned for necessary re-evaluations
- **October 31, 2017** = Effective Date – ATM Suspended for all non-compliant Reports

Fees: An initial review of Listing Report (s) will be covered by a direct billing project and will be invoiced at not more than \$1000 per report.

Client Action Required:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revised paragraphs noted in the attached or explain why these new/revised requirements do not apply to your product (s).

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.

Description of New/Revised Technical Requirements

Clause	Verdict	Comment
18	Info	Thermal Cutoffs
18.3	Info	Revised and relocated as 47.4.1
26	Info	Protection Against Injury to Persons
26.10		<p><i>New clause added;</i></p> <p>The battery compartment of an appliance or any accessory, such as a wireless control, incorporating one or more replaceable coin cell batteries of lithium technologies shall comply with the Standard for Products Incorporating Button or Coin Cell Batteries of Lithium Technologies, UL 4200A, if the appliance or any accessory is intended for use with one or more single cell batteries having a diameter of 32 mm (1.25 in) maximum with a diameter greater than its height.</p> <p><i>Exception: Not applicable to an appliance intended only to be mounted above a countertop.</i></p>
47	Info	Abnormal Operation Tests
47.5		<p><i>New section added;</i></p> <p>Surge test</p>
47.5.1		Appliances having a device with an off position obtained by electronic disconnection, or a device that can be placed in the stand-by mode, are subjected to the tests of 47.5.4. The test is to be carried out with the appliance supplied at rated voltage, the device being set in the off position or in the stand-by mode.
47.5.2		Appliances incorporating a protective electronic circuit are subjected to the tests of 47.5.4. The test is to be carried out before the protective electronic circuit has operated and is to be repeated after the protective electronic circuit has operated during the applicable Fusible Devices Test [see 47.4 and SA20.4.3].
47.5.3		<p>The test of 47.5.4 is to be carried out with surge protective devices disconnected, unless they incorporate spark gaps. Surge protective devices that comply with the Standard for Surge Protective Devices, UL 1449, shall not be removed from the circuit during this test. If the appliance has several modes of operation, the test is to be carried out with the appliance operating in each mode.</p> <p>NOTE – Appliances incorporating electronic controls complying with the IEC 60730 series of standards are not exempt from the test</p>

Standards Update Notice (SUN)

Issued: November 7, 2016

Clause	Verdict	Comment
47.5.4		The power supply terminals of the appliance are subjected to voltage surges in accordance with Electromagnetic compatibility (EMC) – Part 4-5: Testing and measurement techniques – Surge immunity test IEC 61000-4-5, five positive impulses and five negative impulses being applied at the selected points. Test level 3 is applicable for the line-to-line coupling mode, a generator having a source impedance of 2 Ω being used. Test level 4 is applicable for the line-to-earth coupling mode, a generator having a source impedance of 12 Ω being used. If a grounding-type attachment plug is provided, grounded heating elements are disconnected during this test
47.5.5		For appliances having surge arresters incorporating spark gaps, the test in 47.5.4 is repeated at a level that is 95 percent of the flashover voltage.
47.5.6		Following the test in 47.5.4, any normal or abnormal test which resulted in the operation of the protective electronic circuit shall be repeated. There shall be no increased risk of fire or electric shock.
51A		<i>New section added;</i> Insertion/Withdrawal Test for Electric Kettles
51A.1		A cordless kettle shall withstand the stresses likely to occur during normal use. Compliance with the requirement is assessed as follows: a) The two live pins of the kettle are connected together. b) An external resistive load is connected in series with the supply. The external load is such that the current is 1.1 times the rated current. c) The kettle is placed on its stand and withdrawn 10,000 times at a rate of approximately 10 times per minute without electrical contact rotation. d) The test is continued for an additional 10,000 times without current flowing. Exception: For kettles with a mechanism for de-energizing the appliance when it is lifted of its base, thus ensuring that the connection contacts cannot make or break current on load, the test is carried out without current flowing. e) After the test, the kettle shall be functioning and shall still comply with Spacings, Section 24, the Resistance of Grounding Test, Section 29, and the Dielectric Voltage-Withstand Test, Section 35 of this standard. f) Live parts shall not be accessible by the probe in Figure 7.2. g) The test is carried out without current flowing if the connection contacts cannot make or break on load.
SUPPLEMENT SA	Info	HOUSEHOLD ELECTRIC DRIP-TYPE COFFEE MAKERS AND SIMILAR DRIP-TYPE BREWING APPLIANCES
SA24.1.1		<i>New clause added;</i> For an appliance provided with a display clock, SA24.1, Item 5, shall instead state the following or the equivalent " Unplug from outlet when either the appliance or display clock is not in use, and before cleaning. Allow to cool before putting on or taking off parts, and before cleaning the appliance."



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Clause	Verdict	Comment
SUPPLEMENT SB		HOSPITALITY-USE <u>APPLIANCES</u> DRIP-TYPE COFFEE MAKERS Supplement SB was revised to expand its coverage to include all Hospitality-Use Appliances. All Hospitality-Use Appliances, other than Drip Type Coffee Makers, will require additional testing.
		CUSTOMERS PLEASE NOTE: This Table and column "Verdict" can be used in determining how your current or future production is or will be in compliance with new/revised requirements.