


**PROTOCOL # 338-D**

**BATTERY OPERATED ELECTRONIC COUNTDOWN TIMER**

Performance Test	Test Method	Samples	Test Principle/Requirements	Rating (Section or exec. Summary which failed items can be referenced)
<b>LABELING</b>				
Labeling / Packaging/ Marking Review	FPLA 16 CFR 500 & 19 CFR 134	All Samples	Should be legibly marked with the following information: Distributor's name, trademark or other means of identification of the manufacturer or packer & address (City, State & Zip)  Product identification  Net quantity of the contents in terms of weight, measure or numerical count (Metric & US Standard) or a combination so as to give accurate information and facilitate value comparison by the consumer  Country of origin (if imported)	
Package or Instructions	ANSI C18.1M Sect. 7.5 (modified)	All Samples	For products with more than one battery, must include: "Do not mix old and new batteries. Do not mix alkaline, standard (carbon - zinc), or rechargeable (nickel cadmium) batteries"	
Rechargeable Batteries (If Applicable)	Battery Act	All Samples	 Rechargeable cell batteries must be labeled  Nickel-Cadmium Batteries Must Be Labeled "Nickel-Cadmium" or "Ni-Cd," with the phrase "BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY." Regulated Lead-Acid Batteries Must Be Labeled "Pb" or with words "LEAD, "RETURN", and "RECYCLE" and if the regulated batteries are sealed, the phrase "BATTERY MUST BE RECYCLED." Non Removable Regulated Lead-Acid Batteries Must Be Labeled With the Phrase "CONTAINS SEALED LEAD BATTERY. BATTERY MUST BE RECYCLED."	
Battery Compartment Markings	Visual Check	All Samples	Shall be permanently marked to show the correct battery polarity, size and voltage	
FCC Labeling (If Applicable)	FCC	All Samples	Must be listed if product is a digital device with power consumption > 6nW; and with clock frequency greater than 9 kHz for AC operated item (or greater than 1.705MHz for battery operated item).	

*Reese's Law Supplemental Protocol	Refer to Protocol 1700	All Samples	All samples shall be reviewed against the requirements of Reese's Supplement Protocol to determine if additional testing or labeling is required	
Adult Tracking Label: **If space limitations exist, contact Kohl's Quality Assurance & Product Integrity teams to discuss minimum required information (quality.assurance@kohls.com)	Kohl's Requirement	All Samples	Can be included on packaging when necessary: Kohl's Assigned Factory Number Manufacture Date (Month/Year) UPC #	
<b>PHYSICAL CHARACTERISTICS</b>				
Dimensions (LxWxH) (In.)	General Measure	1 Sample	As Claimed/ measured (+3%/ - 0%)	
Weight (Lbs.)	General Measure	1 Sample	As Claimed/ measured (+3%/ - 0%)	
<b>CONSTRUCTION QUALITIES</b>				
Kohl's Workmanship Review	Visual Check/Actual Use	1 Sample	All components shall be provided as claimed and shall not be deformed or fractured. All hardware shall be provided All welds shall be smoothly finished and free from pits and splatter All components shall not contain any burrs or sharp edges (test by touch or sight) Product shall not contain any loose components or unsecured fastening where rigidity is required	
Mounting Means	Visual Check	1 Sample	Report, such as clip, magnet, stand, hook, etc.	
<b>Performance Test</b>				
Functional Check	Actual Use	1 Sample	All the major features shall be matched with the installation and use instructions and claims made on the packaging, with no inaccurate or misleading statements about the product, or any other user-friendliness problems.	
Drop Test	In-house method	1 Sample	Drop item 3 times in random orientation from height of 36 inches on concrete surface. Shall function as intended. Aesthetic defects as a result of the test are acceptable.	
Switch (if applicable)	Actual Use	1 Sample	Shall be functional after the below number of times of operation. Tier 1:100 times Tier 2: 150 times	
Settable Range of Timer	Visual Check	1 Sample	Report	
Accuracy of Timer	General Measure	1 Sample	Deviation of time shall be less than +/- 2 second when set to its maximum range.	
Alarm Loudness	General Measure	1 Sample	Record alarm loudness (dBA) at 1 meter away from the timer.	
Effects of Humidity	Kohl's TM 31	1 Sample	No failure @ 95% RH @ 100° F (38° C) for below defined hours. Tier 1/2: 24 hours	
Reverse Voltage Test	Visual	1 Sample	For replaceable batteries, reversing battery orientation shall not damage unit. Report discrepancies	
<b>ANALYTICAL</b>				
*Lead In Scrapable Surface Coating	ASTM E1613/ E1645	1 Sample	≤90 ppm (0.009% by weight).	
* CA Prop 65	Refer to Protocol 1300	All Samples	All samples shall be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required.	
<b>Protocol Version</b>	<b>Description of Change</b>			<b>Approved By</b>
338-A	Initial Release			Elizabeth Armstrong April 2017

<b>338-B</b>	<b>Updated packaging/instructions and removed CEC marking</b>	<b>Charlene Swanson Nov 2020</b>
<b>338-C</b>	<b>Converted to Google Doc &amp; added Reese's Law Supplemental test line</b>	<b>Elizabeth Armstrong Nov 2023</b>
<b>338-D</b>	<b>Removed Tier 3 requirements</b>	<b>Charlene Swanson October 2024</b>