

Protocol 345-F

Battery and DC Operated Products

Test Property	Test Method	Samples	Test Principle/Requirements	Rating (Section or Executive Summary which failed items can be referenced)
LABELING				
Language requirement	Visual Check	All Samples	English shall be used for the text information provided with the product, such as instructions and markings.	
Labeling / Packaging 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)	
Verify Label Claims	Visual Check	All Samples	The labeling must comply and valid with all claims.	
FCC Labeling & Instructions	FCC Rules	All Samples	Shall comply with the applicable requirements of FCC rules if regulated.	
Battery Warning Statement	Visual Check	All Samples	The following statement either in the instructions or marked on the device (required only for devices which use more than one battery in one circuit) - Do not mix old and new batteries; - Do not mix alkaline, standard (carbon-zinc), or rechargeable (Ni-Cd, Ni-MH, etc) batteries.	
Battery Compartment Markings	Visual Check	All Samples	Unit with replaceable batteries shall be permanently marked, visible at time of battery replacement, to indicate type of battery, polarity alignment and how to insert correctly.	
BC Mark	CEC-400	All Samples	Each BCS shall be marked with a "BC" inside a circle. The marking shall be legible and permanently affixed to: - The product nameplate that houses the battery charging terminals, or - The retail packaging and, if included, the cover page of the instructions.	
Identification of left and right ear	Visual Check	All Samples	For earphone/Headphone: Ears shall be identified properly, for example, "L" for the left ear and "R" for the right.	
Import Permit (For Natural Materials Only)	US Department of Agriculture Animal and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ)	All Samples	<u>Product shall not have prohibited materials present per US Department of Agriculture, Animal and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ)</u> <u>Documentation and/ or proper permit(s) for specific product shall be supplied along with Testing Request form and samples.</u> <u>Permit information may be found at: https://www.aphis.usda.gov/wps/portal/aphis/home/</u> <u>It is the vendor's responsibility for the compliance to relevant requirements.</u>	

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	Kohl's Assigned Factory Number Manufacture Date (Month/Year) UPC #	
*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	
REGULATORY & STANTDARD				
US PL 104-142 Mercury in Batteries	Battery Act, Public Law 104-142	All Samples	Alkaline-manganese batteries, alkaline-manganese button cell batteries, zinc-carbon batteries, mercuric-oxide button cell batteries shall conform to respective requirements.	
Battery charger	CEC-400	All Samples	Battery charger system which is offered for sale in California shall comply with the energy efficiency standards of California. Compliance is to be verified by checking the filing information on CEC's website.	
	10 CFR 430	All Samples	On and after June 13, 2018, battery chargers manufactured or imported into the United States must comply with the new energy conservation standards and be certified to the DOE. Each base model of a battery charger must be certified to the DOE before distribution in commerce and annually thereafter. Compliance is to be checked by reviewing the filing information at DOE's Compliance Certification Database	
Laser products	21 CFR 1040	All Samples	Laser products for introduction into commerce in or imported into the United States must: - Comply with 21 CFR §1040.10 and §1040.11 as applicable, - Be certified and identified in accordance with 21 CFR §1010.2 and §1010.3, and - Be reported in accordance with 21 CFR §1002.10. Demonstration laser product shall be a Class I, IIa, II, or IIIa laser product. Compliance is to be checked by document review.	
Bluetooth Device	Bluetooth SIG requirements	All Samples	If Bluetooth function is claimed, vendor shall provide test report to demonstrate its compliance with Bluetooth Specification. If Bluetooth logo is marked on the product/package, this device of the marked brand or company shall be authorized by Bluetooth SIG. Compliance is to be verified by checking the product information on the Bluetooth Official website. It shall be marked, on the product or the associated packaging or printed matter, with the footnote recommended as following: "The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by [licensee name] is under license. Other trademarks and trade names are those of their respective owners."	
Safety of Lithium Battery	49 CFR 173	All Samples	Lithium battery shall comply with UN38.3. Verify the compliance by reviewing the test report.	

Marking on the outside case of lithium ion battery	49CFR. 173.185 (c)	All Samples	Each lithium ion battery subject to this provision must be marked with the Watt-hour rating on the outside case.	
PHYSICAL CHARACTERISTICS				
Dimensions (LxWxH) (In.)	FPLA/ UPLR	1 Sample	As Claimed/ measured (+3%/ - 0%)	
Weight (Lbs.)	FPLA/ UPLR	1 Sample	As Claimed/ measured (+3%/ - 0%)	
Other Features	FPLA/ UPLR	All Samples	As Claimed/ measured (+3%/ - 0%)	
CONSTRUCTION QUALITIES				
Kohl's Workmanship Review	Visual Check /Actual Use	1 Sample	<ul style="list-style-type: none"> - 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 	
Drop test	Actual Use	1 Sample	Sample is to be dropped from a height of 1m onto a horizontal concrete surface for 3 times. After the test, the unit shall function as intended and no visual defect occurs.	
PERFORMANCE				
Functional Check	Actual Use	1 Sample	Shall function as intended.	
Sound level	Actual Use	1 Sample	Report the sound level 3 feet away from the unit. The minimum safety alarms shall not be less than 110 dB. The maximum wake-up alarms shall not be less than 80 dB.	
Noises	Actual Use	1 Sample	Shall not have obvious abnormal noises.	
Accuracy	Actual Use	1 Sample	Shall meet the claim.	
Charging time	Actual Use	1 Sample	Report the actual time. Shall not exceed the claim, if any.	
Service time of rechargeable product	Actual Use	1 Sample	Measure the actual time under a normal operation condition. Report the time and the testing condition. The time shall not be less than the claim, if any.	
Endurance of control devices	Actual Use	1 Sample	No obvious performance degradation after 100 cycles of operations. 1460 cycles for main switch.	
Drop test	Kohl's TM 55	1 Sample	Handheld products and portable products shall withstand 3 drops from a distance of 3 feet to strike a hard wood surface, without cracking. Exemption: Glass and ceramic articles, precious articles that need to be care.	
Stability test	Kohl's TM 36	1 Sample	Free standing product shall be placed on a plane inclined at an angle of 10 degrees from the horizontal. The unit shall not overturn.	

Lock motor test	Actual Use	1 Sample	For motor operated product, motor-locking shall not damage the product. Handheld product is exempted from this test.	
Battery reverse test	Actual Use	1 Sample	Reversing battery orientation shall not damage the unit.	
Communication Distance	Actual Use	1 Sample	Report the maximum communication distance of Bluetooth device. Shall be not less than the claim if any.	
Button Endurance	Actual Use	1 Sample	Tier 1 : 24 Hours @ 30° F (1.1°C) and 24 Hours @ 100° F (37.7°C) - no failure. Tier 2 : 48 Hours @ 0° F (-18°C) and 48 Hours @ 120° F (49° C) - no failure.	
ANALYTICAL				
* Lead In Scrapable Surface Coating	ASTM E1613/E1645	All Samples	≤90 ppm (0.0090% by weight).	
* CA Prop 65	Refer to Protocol 1300	All Samples	All shall be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required.	
*Food contact materials (Plastic)	FDA 21 CFR 175/177	All Samples	Must Comply With Regulations Of US FDA Food Simulating Solvent And Extraction	
*Chromium (Cr) Content Applicable to stainless steel food contact items sold for non-cooking purpose only	Acid digestion / ICP or AAS	All Samples	Recommendation for Generally Recognized as Safe (GRAS) Minimum 16% chromium content	
*FDA Food Contact Safety Test Applicable to food contact materials	21 CFR 170-189	All Samples	FDA CPG Sec. 545.450 and CPG Sec. 545.400 -Leachable Lead & Cadmium	
PRICING AND ADDITIONAL NOTE:				
*Please refer to Kohl's preferred third party labs for individual pricing and sample size				
In addition to this protocol, any products designed for, intended for or appealing primarily to children, requires additional testing per Kohl's Testing Protocol # 601.				

Protocol Version	Description of Change	Revised by/Date	Approved by/Date
345-A	Initial Release	Elizabeth Armstrong March 23, 2018	Elizabeth Armstrong March 23, 2018
345-B	Added Chemical test for Food contact materials	December 3, 2019	December 3, 2019
345-C	Added Adult tracking label requirements, added import permit requirements. Changed "in house methods" to be "actual use."	Charlene Swanson July 28, 2020	Charlene Swanson July 28, 2020
345-D	Removed plastic bag warning, removed composite wood labeling requirements, added marking on outside case of lithium ion battery,	Charlene Swanson November 2020	Charlene Swanson November 2020
345-E	Added format from word to google and updating performance rating to just Tier 1 and Tler 2	Violet Nelson December 2022	Violet Nelson December 2022
345-F	Added Reese's Law Supplemental Protocol test line under Label Verification	Kevin Makocy October 2023	Kevin Makocy October 2023