



**PROTOCOL # 830-J**

**MEAT THERMOMETER**

Performance Test	Test Method	Samples	Test Principle/Requirements	Rating (Section or exec. Summary which failed items can be referenced)
<b>LABELING</b>				
Labeling / Packaging Review	FPLA 16 CFR 500 & 19 CFR 134	All Samples	Shall 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 (if applicable) -Country of origin (if imported)	
Verify Label Claims	Visual Check/ Performance Claims	All Samples	The labeling must be valid and comply with all claims.	Claim: Actual:
Packaging/ Product (Shall be permanently marked on the battery compartment)	Visual Check	All Samples	Size of battery  Polarity of battery  Voltage of battery	
FCC Labeling (If applicable)	FCC	All Samples	Must be listed if product is 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).	
Packaging/ Instructions	ANSI C18.1M-1992 Sec. 7.5 (mod.)	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"	
	Visual Check	All Samples	Should provide use, care, and maintain information, as well as disposal of batteries information.	
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."	

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 #	
Battery Charger System	California Appliance Efficiency Program	All Samples	Must be listed by CEC and labeled appropriately with the following: Brand Name, trade name or the like;  Model name;  Manufacture Date;  BC mark	
Verify Label Claims	Visual Check	All Samples	The labeling must be valid and comply with all claims.	
*Reese's Law Supplemental Protocol 1700	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	
Chemical Disclosure / Labeling in Cookware	CA AB-1200 article 2 (mod) / CO HB-22 1345 sec. 25-15-604 (2)a-f (mod)/ Visual	All Samples	Cookware chemical disclosure labeling provided for CA AB-1200 and/or CO HB-22-1345 compliance pertaining to handles or any surface that comes into contact with food, foodstuff, or beverages shall meet the following:  1) List of chemicals is introduced by the phrase "The product contains:"  2) List of chemicals is followed by the phrase "For more information about chemicals in this product, visit: / Para obtener más información sobre las sustancias químicas de este producto, visite: "www.kohls.com/chemicaldisclosure" and QR code which leads to that web address  3) Lab must verify that all disclosed chemicals are present on the Kohl's TRF  4) Labeling must be incorporated into retail packaging or printed on a sticker / hangtag which is affixed to retail packaging or the product. Fold out "butterfly" labels are acceptable. Printing on the inside of retail packaging or an information insert are not acceptable formats  See example below:  <div data-bbox="808 1444 1339 1642" style="border: 1px solid black; padding: 5px;"> <p><b>This Product Contains:</b> (Este producto contiene:) Chemical 1, Chemical 2, Chemical 3, Chemical 4, etc.</p> <p>For more information about chemicals in this product, visit: (Para obtener más información sobre las sustancias químicas de este producto, visite:) <a href="https://cs.kohls.com/app/answers/detail/a_id/4243?cid=ISMQR246&amp;utm_medium=ISM">https://cs.kohls.com/app/answers/detail/a_id/4243?cid=ISMQR246&amp;utm_medium=ISM</a></p>  </div>	

**BATTERY OPERATED PRODUCTS**

Energy Efficiency for Battery Charger	10 CFR 430 & CEC-400	All Samples	Battery charger 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.  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.	
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	
Charging time	Actual Use	1	Report the actual time. Shall not exceed the claim, if any.	
Battery reverse test	Actual use	1	Reversing battery orientation shall not damage the unit.	
<b>MARKING AND INSTRUCTIONS</b>				
Instructions	Visual Check	1 Sample	Must be complete and accurate	
<b>PHYSICAL CHARACTERISTICS</b>				
Dimensions	FPLA/ UPLR	3 Samples	As claimed/ measured (+3% / -0%)	
Weight	FPLA/ UPLR	3 Samples	As claimed/ measured (+3% / -0%)	
Temperature Range	Visual Check	1 Sample	Report overall range; shall meet with label claims (if applicable).	
<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	
Material Type	Visual Check	All Samples	Shall be constructed of materials suitable for the intended environment.	
<b>PERFORMANCE TESTING</b>				
Functional Use (Hinges, Moving Parts, etc) (If applicable)	Actual Use	1 Sample	Open and close operations with below cycles or intended functions/ operations. No failure.  Tier 1: 50 Cycles Tier 2: 150 cycles	
Switch (If applicable)	Actual Use	1 Sample	Shall be functional after the below number of times of operation.  Tier 1: 100 cycles Tier 2: 200 cycles	

Effect of Handwashing	Kohl's TM 32	3 Samples	No color change and no adverse effects – Hand wash with detergent for below defined cycles.  Tier 1: 5 Cycles Tier 2: 15 cycles	
*Dishwasher Safe (If Claimed)	Kohl's TM 57	3 Samples	Dishwasher / detergent for below defined cycles - no color change or adverse effects. Report if label is not durably marked.  Tier 1: 5 Cycles Tier 2: 15 cycles	
Strength of Attachment/ Joints (If applicable)	Loading	1 Sample	Shall withstand below defined static load. No failure.  Tier 1: 20lbs Tier 2: 30lbs	
Temperature Check Against Claim	Actual Use	1 Sample	Measurement shall be accurate.	
Heat Resistance	Temperature	1 Sample	No adverse effects with below defined timing at 212°F (100° C) in a convection oven. (If there is a heat-resistant temperature claim, test sample at this temperature)  Tier 1: 30min Tier 2: 1.5Hours	
Cold Resistance	Temperature	1 Sample	No adverse effects with below defined timing at 0°F (-18°C) in a freezer. (If there is a cold-resistant temperature claim, test sample at this temperature)  Tier 1: 30min Tier 2: 1.5hours	
Humidity Test	Kohl's TM 31	1 Sample	No failure @ 95% RH @ 100°F (38°C) for below defined hours.  Tier 1: 24hours Tier 2: 48hours	
Impact Resistance	Actual Use	1 Sample	Sample shall be functional after 3 drops from a height of 36" onto a vinyl-tiled concrete floor.	
Stain Resistance	Actual Use	1 Sample	No objectionable stain after below timing placement: - Ketchup, mustard & cooking oil - Red wine, grape juice & coffee  Tier 1: 1hour Tier 2: 4hours	
Cross Cut Adhesion (Metal Plating) (If applicable)	ASTM D3359 Method B	1 Sample	A lattice pattern with six cuts in each direction is made in the film to the substrate, pressure-sensitive tape is applied over the lattice and then removed.  Client's Requirement: Tier 1: 3B; Tier 2: 5B;	
Flammability	16 CFR 1500.44	1 Sample	Less than 0.1"/ sec.	
#Claim Verification (If Claimed)	Visual Check / Actual Use	1 Sample	All designs and features must conform to actual claim.	Claim:
<b>PERFORMANCE - STAINLESS STEEL (IF CLAIMED &amp; FOOD CONTACT ONLY)</b>				
<b>Claimed Chromium Content &lt; 16%</b>				

* Stainless Steel Composition (Applicable To Food Contact Surfaces Only)	Acid Digestion/ ICP/ ASTM E1019	1 Sample	Stainless steel composition (Carbon, Manganese, Phosphorus, Sulfur, Silicon, Chromium, Nickel, Nitrogen, Molybdenum) test is to be conducted.	
*Stainless Steel - Resistance To Corrosion (Applicable if result of composition test does not meet the claimed specification)	ASTM B117 (Mod.)	1 Sample	Shall withstand 48 hours in 1% Salt Spray (Fog) with no major visual change, pitting or corrosion.  Modification = % of salt spray	
<b>Claimed Chromium Content ≥ 16%</b>				
*FDA – GRAS Stainless Steel (Applicable To Food Contact Surfaces Only)	Acid Digestion/ ICP/ ASTM E1019	1 Sample	Shall meet Stainless Steel Claim (Chromium and Nickel content) AND  Minimum of 16% Chromium to be considered FDA GRAS.	
GRAS evaluation	FDA Generally Recognized as Safe (GRAS) Guidelines/FDA Opinion / ASTM E1086-14 / ASTM E415-17 / CPSD-GB-00003-MTHD / CPSD-AN-00295-MTHD		Metal intended to come into contact with food shall meet FDA GRAS requirement. Metal composition is conducted and evaluated if it is GRAS.  Must meet 16% Chromium, if not conduct stainless steel - resistance to corrosion testing	
*Stainless Steel - Resistance To Corrosion (Applicable if product does not comply GRAS test)	ASTM B117 (Mod.)	1 Sample	Shall withstand 48 hours in 1% Salt Spray (Fog) with no major visual change, pitting or corrosion.  Modification = % of salt spray	
<b>PERFORMANCE – OTHER METAL (FOOD CONTACT ONLY)</b>				
* Leachable lead (Applicable to food contact metal only)	ASTM C738 / AOAC methods 973.32 and 973.82	1 Sample	With reference to CPG Sec. 545.500 (CPG 7117.05)  Lead: ≤ 7.0 µg/mL, average of 6 units (product intended for adult) ≤ 0.5 µg/mL, all 6 units (product intended for infants and children)	
<b>ANALYTICAL</b>				
*Lead In Scrapable Surface Coating	CPSC-CH-E1003-09	1 Sample	≤ 90ppm (0.009% by weight)  (CPSA – 16 CFR 1303)	
Toxicology (Plastic & Polymeric Coating)	21 CFR 175/177	1 Sample	Must comply with applicable requirements of FDA	
Leachable Lead & Cadmium on Food Contact Surface FDA If Applicable	AOAC 973.32 ASTM C738	6 Samples	Pb: ≤1.0ppm (large hollowware) ≤2.0ppm (small hollowware) ≤ .5ppm (cups/mugs/pitchers) ≤3.0ppm (flatware) Cd: ≤0.25ppm (large hollowware) ≤0.5ppm (small hollowware) ≤0.5ppm (flatware)	

*Mercury Content# Applicable to Primary Batteries	Acid digestion / ICP or AAS	1 Sample	Public Law 104-142:Mercury-Containing and Rechargeable Battery Management Act Public Law No 104-142 (1996) H.R. 2024 For alkaline manganese battery: Hg-free For alkaline manganese button cell: < 25 mg/cell For zinc-carbon battery: Hg-free (SGS detection limit = 1 mg/kg)  For mercuric-oxide button battery: Prohibited
*Bisphenol A (BPA) Content  Scope: 1) Reusable food or beverage containers (ie, food contact), including lid, cup, etc). 2) Sports bottles	Solvent extraction and analysis by LC/MS  Various US State Laws (CT, WA, NY, DE, IL, MA, MD, ME, MN, NV, VT, WI, the District of Columbia, Chicago City)	All Samples & All Colorways	Shall not contain any detectable level of Bisphenol A  Remark: Actual testing shall be done on all accessible plasticized material including coatings and plastic.  Exempt Materials: Glass, Metal, Wood, Textiles.  Plastic layer or coating on exempt material shall need to be tested. Vendor shall be responsible for compliance of other materials.
*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.
PFAS Supplemental Protocol (1600)	Refer to Protocol 1600	All Samples	All samples shall be reviewed against the requirements of PFAS Supplement Protocol to determine if additional testing or labeling is required
Food Contact Supplemental Protocol (State Regulations Only)	Refer to Protocol 1800	All Samples	All samples shall be reviewed against the requirements of Food Contact Supplemental Protocol (State Regulation Only) to determine if additional testing or labeling is required

**PRICING AND ADDITIONAL NOTE:**

\*Please refer to Kohl's preferred third party labs for individual pricing and sample size.

PROTOCOL VERSION	DESCRIPTION OF CHANGE	Revised By	Approved By
830-A	Initial Release	Elizabeth Armstrong July 20, 2017	Elizabeth Armstrong July 20, 2017
830-B	Updated GRAS Evaluation	Teana Robinette Sept 25, 2018	Teana Robinette Sept 25, 2018
830-C	Updated GRAS evaluation on s/s composition	Elizabeth Armstrong Jan 14, 2019	Elizabeth Armstrong Jan 14, 2019
830-D	Added toxicology testing for plastics & polymeric coating and leachable lead & cadmium on food contact surface	Elizabeth Armstrong March 30, 2020	Elizabeth Armstrong March 30, 2020
830-E	Added adult tracking label	Elizabeth Armstrong June 24, 2020	Elizabeth Armstrong June 24, 2020
830-F	Added PFAS Supplemental protocol requirements and removed tier 3	Elizabeth Armstrong March 2022	Elizabeth Armstrong March 2022
830-G	Updated BPA Content test line	Kevin Makocy October 2023	Kevin Makocy October 2023
830-H	Added Reese's Law supplemental test line	Elizabeth Armstrong Oct 2023	Elizabeth Armstrong Oct 2023

830-I	Added battery operated products and chemical disclosure	Charlene Swanson December 2023	Charlene Swanson December 2023
830-J	Added new Food Contact Supplemental protocol (1800) requirements	Isaac Grossman September 2024	Isaac Grossman September 2024