

PROTOCOL # 834-E

COOLER PACK

Performance Test	Test Method	Samples	Test Principle/Requirements	Rating (Section or exec. Summary which failed items can be referenced)
LABELING				
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:
BPA Free Label	Visual Check	All Samples	Must be conspicuously labeled as "BPA Free" Containers designed to be filled with food or liquid for children under the age of 3	
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 #	
PHYSICAL CHARACTERISTICS				
Count	FPLA/ UPLR	1 Sample	As claimed/ measured (+3% / -0%)	Claim: Actual:
Dimensions	FPLA/ UPLR	1 Sample	As claimed/ measured (+3% / -0%)	Claim: Actual:
Weight	FPLA/ UPLR	1 Sample	As claimed/ measured (+3% / -0%)	Claim: Actual:
CONSTRUCTION QUALITIES				
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	
PERFORMANCE TESTING				
Thermal Shock	With reference to EN 12546-3, Clause 4.5	1 Sample	Shall be able to withstand a thermal shock without damage or leakage when tested according to 5.4. Note: If no service temperatures are declared, then default the min. and max. service temperature as -18°C and 60°C respectively.	

Impact Resistance	With reference to EN 12546-3, Clause 4.6	1 Sample	Shall be no leakage or breakage after tested in according with 5.5. Note: If no min. service temperatures are declared, then default as -18°C.	
Puncture Resistance	With reference to EN 12546-3, Clause 4.7	1 Sample	Shall not leak after it has been subjected to the puncture test described in 5.6.	
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	
Stain Resistance	Actual Use	1 Sample	No objectionable stain after below timing placement: Ketchup, mustard & cooking oil Red wine, grape juice & coffee Tier 1: 30min Tier 2: 4hours	
Leak Resistance	With reference to EN 12546-3, Clause 4.3	1 Sample	Shall be leak resistant at any temperature between the service temperature limits and comply with the requirements of 4.4 to 4.7 after being subjected to testing in accordance with 5.2. Note: If no min. and max. service temperature are declared, then default as -18°C and 60°C respectively.	
Load Resistance	With reference to EN 12546-3, Clause 4.4	1 Sample	Shall not be damaged so as to cause leakage at ambient temperature when tested in accordance with 5.3. Note: If no min. service temperatures are declared, then default as -18°C.	

ANALYTICAL

*Liquid Toxicity:

(Applicable only to Liquid Styles)

-Propylene Glycol Content	GC-MS	1 Sample	Minimum 12.0%. Note: Propylene Glycol shall be used as an antifreeze. Desired but not required	
-Presence Of Ethylene Glycol (Children's Products Only)	GC/MS	1 Sample	16 CFR 1500.231 - Must not be present	
-Presence Of Diethylene Glycol (Children's Products Only)	GC/MS	1 Sample	16 CFR 1500.231 - Must not be present	
-Methanol (Children's Products Only)	GC/MS	1 Sample	16 CFR 1500.231 - Must not be present	
-Mercury (Children's Products Only)	AAS	1 Sample	16 CFR 1500.231 - Must not be present	
-Methylene Chloride (Children's Products Only)	GC/MS	1 Sample	16 CFR 1500.231 - Must not be present	
-Petroleum Distillates (Children's Products Only)	GC/MS	1 Sample	16 CFR 1500.231 - Must not be present	
-Toluene (Children's Products Only)	GC/MS	1 Sample	16 CFR 1500.231 - Must not be present	
-Xylene (Children's Products Only)	GC/MS	1 Sample	16 CFR 1500.231 - Must not be present	

-Formaldehyde Content (%)	ISO 14184-1	1 Sample	16 CFR 1500.13 (>1% is considered as a strong sensitizer/warning required)	
Benzene Content (%)	GC/MS	1 Sample	16 CFR 1500.14 (≥ 5%: Products shall be labeled with the signal word “danger,” the statement of hazard “Vapor harmful,” the word “poison,” and the skull and crossbones symbol. ≥ 10%: Products shall bear the additional statement of hazard “Harmful or fatal if swallowed” and the additional statement “Call physician immediately.”)	
*Microbial Test: (Applicable only to Liquid Styles)				
*Standard Bacteria Count (HPC)	APHA 9215B	500 ml	500 HPC Maximum	
*Coliform Count	APHA 9222B		Must not be present	
*Mould & Yeast	FDA 8th, Rev. A, 1998, Chapter 18		< 1 cfu/mL	
*Lead In Scrapable Surface Coating	ASTM E1613/E1645	1 Sample	≤90 ppm (0.009% by weight). (CPSA – 16 CFR 1303)	
*Toxicology (Plastics and polymeric coating)	21 CFR 175/177	1 Sample	Must comply with applicable requirements of FDA.	
*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
834-A	Initial Release	Elizabeth Armstrong May 24, 2018	Elizabeth Armstrong May 24, 2018
834-B	Added adult tracking label	Elizabeth Armstrong June 24, 2020	Elizabeth Armstrong June 24, 2020
834-C	Added PFAS supplemental requirements and removed tier 3	Elizabeth Armstrong March 2022	Elizabeth Armstrong March 2022
834-D	Updated BPA Free Label test line and BPA Content test line	Kevin Makocy October 2023	Kevin Makocy October 2023
834-E	Added new Food Contact Supplemental protocol (1800) requirements	Isaac Grossman September 2024	Isaac Grossman September 2024