

PROTOCOL # 834-F

COOLER PACK

Performance Test	Test Method	Samples	Test Principle/Requirements	Rating (Section or exec. Summary which
LABELING				
Labeling / Packaging Review	FPLA 16 CFR 500 & 19	All Samples	Shall be legibly marked with the following information: -Distributor's name, trademark or other means of	
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"	
Adult Tracking Label **If space limitations exist,	Kohl's Requirement	All Samples	Can be included on packaging when necessary: Kohl's Assigned Factory Number	
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.	
PERFORMANCE TESTING				
Thermal Shock	With reference to EN 12546-3, Clause	1 Sample	Shall be able to withstand a thermal shock without damage or leakage when tested according to 5.4.	
Impact Resistance	With reference to EN 12546-3, Clause	1 Sample	Shall be no leakage or breakage after tested in according with 5.5.	
Puncture Resistance	With reference to EN 12546-3, Clause	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.	
*Dishwasher Safe (If Claimed)	Kohl's TM 57	3 Samples	Dishwasher / detergent for below defined cycles - no color change or adverse effects.	
Stain Resistance	Actual Use	1 Sample	No objectionable stain after below timing placement: Ketchup, mustard & cooking oil Red wine, grape juice &	
Leak Resistance	With reference to EN 12546-3, Clause	1 Sample	Shall be leak resistant at any temperature between the service temperature limits and comply with the	
Load Resistance	With reference to EN 12546-3, Clause	1 Sample	Shall not be damaged so as to cause leakage at ambient temperature when tested in accordance with 5.3.	
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	
*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,		< 1 cfu/mL	
*Lead In Scrapable Surface Coating	ASTM E1613/E1645	1 Sample	≤90 ppm (0.009% by weight).	
*Toxicology (Plastics and polymeric coating)	21 CFR 175/177	1 Sample	Must comply with applicable requirements of FDA.	
*Bisphenol A (BPA) Content	Solvent extraction and analysis by	All Samples & All Colorways	Shall not contain any detectable level of Bisphenol A	
** 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	
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	
Refer to protocol Hardlines Regulatory Supplement for	Refer to Protocol 1800	All Samples	All samples shall be reviewed against the requirements of the Hardlines Regulatory Supplemental Protocol (State	
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
834-F	Updated 1800 Hardlines Regulatory Supplement for additional State & Federal Regulations		Isaac Grossman February 2025	Isaac Grossman February 2025