


PROTOCOL # 803-V

Foodware/Drinkware - Plastic

Performance Test	Test Method	Samples	Requirement	Rating (Section or exec. Summary which failed items can be referenced)
THE USE OF METALLIC IS PROHIBITED IN FOODWARE / DRINKWARE ITEMS				
Initial Package				
Label Verification				
Label Review	Care Labeling 16 CFR 423 16 CFR 300/ 19 CFR 134 Textile Fiber Products Identification Act 16 CFR 303 Wool Products Labeling Act	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)	
Import Permit (For Natural Materials Only) If Applicable	US Department of Agriculture Animal and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ)	All Samples	Product shall not have prohibited materials present per US Department of Agriculture, Animal and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ) Documentation and/ or proper permit(s) for specific product shall be supplied along with Testing Request form and samples. Permit information may be found at: https://www.aphis.usda.gov/wps/portal/aphis/home/ It is the vendor's responsibility for the compliance to relevant requirements.	
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	Should be rated as pass/fail Can be included on packaging when necessary: Kohl's Assigned Factory Number Manufacture Date (Month/Year) UPC #	
Verify Label Claims	Visual Check	All Samples	The labeling must comply and valid with all claims.	
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: 	
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	
Analytical				
*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 (if applicable)	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	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	
*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	
Total Lead	Metal: CPSC-CH-E1001- 08.3 Non Metal: CPSC-CH-E1002-08.3 Surface Coating: CPSC-CH-E1003-09.1	1 Sample	90ppm Minnesota 325E.3892 (HF 2310) Products preempted by federal & state law (e.g., CPSC, FDA, etc) are exempt from testing Product exemptions for CPSC (16 CFR 1500.91 (d) and (e), 16 CFR 1500.88 and 16 CFR 1252)	
Total Cadmium	Substrate & Surface Coating: EPA or ASTM method from AFIRM or CPSC methods	1 Sample	40ppm (children) Washington State CHCC	
Total Cadmium	Substrate & Surface Coating: EPA or ASTM method from AFIRM or CPSC methods	1 Sample	75ppm Minnesota 325E.3892 (HF 2310) Product Exemptions by federal & state law (e.g., CPSC, FDA, etc) are exempt from testing	
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	
Physical Characteristics				
Capacity (fl. oz. / mL)	FPLA/ UPLR	3 Samples	As claimed/ measured (+3%/ -0%)	Claim: Actual:
Dimensions	FPLA/ UPLR	3 Samples	As claimed/ measured (+3%/ -0%)	Claim: Actual:
Construction Qualities				
Kohl's Workmanship Review	Visual Check / Actual Use	All Samples	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 Product shall not tip over during casual handling	
Performance				
Lid Fitting	Actual Use	All Samples	No failure with below defined cycles on / off. Tier 1 50 cycles Tier 2 100 cycles	
Effects 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 10 cycles	
*Dishwasher Safe (If Claimed)	Kohl's TM 57	3 Samples	Dishwasher / detergent below defined cycles - no color change or adverse effects. Report if label is not durably marked. Tier 1 5 cycles Tier 2 10 cycles	
*Microwave Oven Safe (If Claimed)	Actual Use	3 Samples	Fill with water. Heat item separately in 1200 watt oven for 3.0 min. @ 100% power. No adverse effects. Grip temperature < 140° F (60° C) on samples. Report if label is not durably marked.	

Stain Resistance	Actual Use	3 Samples	No objectionable stain after below timing placement: - Ketchup, mustard & cooking oil (Foodware) - Red wine, grape juice & coffee (Drinkware)	
			Tier 1	1 hour
			Tier 2	2 hours
Effects Of Extreme Temperature (Environmental)	Kohl's TM 30	3 Samples	Tier 1 : 24 Hours @ 30° F (1.1°C) and 24 Hours @ 100° F (37.7°C) - no failure. Tier 2 : 24 Hours @ 0° F (-18°C) and 24 Hours @ 120° F (49°C) - no failure.	
*Handle Strength	Kohl's TM-34	1 Sample	For equal or less than 1000 ml container	
			Tier 1	Minimum 5 lbs static load
			Tier 2	Minimum 10 lbs static load
			For greater than 1000 ml container	
			Tier 1	Minimum 10 lbs static load
Tier 2	Minimum 20 lbs static load			
Actual Use – Provided Use Instructions (if Claimed)	Actual Use	1 Sample	Follow actual use instructions provided on packaging and record findings (pass/fail) 1000W Microwave Heat (unless otherwise stated)	
Leakage Test (Applicable to container)	Actual Use	1 Sample	Place the unit on the horizontal table. Fully fill it with water, and maintain for 24hrs. Check if any water leakage occurred.	
Freezer Safe (if applicable)	Actual Use	1 Sample	Fill with water. Shall withstand a freezer temperature of 0° (-18°C) without leakage, cracks, deformation, or adverse effects	
# Claim Verification (if claimed)	Visual Check/ Actual Use	1 Sample	All designs and features must conform to actual claim.	

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
803-0	Initial Release	CY Chan Feb 10, 2004	Roger Mayerson Mar 08, 2004
803-1	Changed the Title to Foodware/Drinkware – Plastic. Added Capacity, Effects of Handwashing; Extreme Temperature Tests. Price Adjustment.	Simon Leung Oct. 31, 2008	Roger Mayerson Jun 07, 2004
803-A	Changed protocol number from 803-1 to 803-A. changed lead in surface coating to 90ppm from 600ppm price adjustment	Elizabeth Armstrong April 1, 2010	Ro Jain April 1, 2010
803-B	Version number updated	Elaine Smaczniak Sep 18, 2012	Ro Jain Oct 4, 2012
803-C	Updated microwave oven safe test and dishwasher safe test	John Wong June 02, 2013	Rufus Moberly Jul 23, 2013
803-D	Differentiate the performance rating to Tier 1/Tier 2/Tier 3 Updated the package price & working days	Jeetendra Shelatkar Oct 4, 2013	Ro Jain Dec 16, 2013
803-E	Updated lead content pricing	Candy Chan Jul 30, 2014	Jeetendra Shelatkar Aug 4, 2014
803-F	Renamed in-house method	Birkoff Chen Sep. 4, 2014	Elaine Smaczniak October 30,
803-G	Updated BPA testing to test all accessible components if BPA Free is claimed	Elizabeth Armstrong July 30, 2015	Elizabeth Armstrong July 30, 2015
803-H	Updated microwave testing requirements to 4.5 min	Elizabeth Armstrong Feb 16, 2016	Elizabeth Armstrong Feb 16, 2016
803-I	Updated the test method of Dishwasher safe to Kohl's TM57, Toxicology (Plastics and polymeric coating) and BPA Content	Gigi Au May 20, 2016	Gigi Au May 20, 2016
803-J	Updated the microwave safe testing standards to match current requirements	Elizabeth Armstrong April 25, 2017	Elizabeth Armstrong April 25, 2017
803-K	Added Actual Use test line for items with "use instructions"	Elizabeth Armstrong May 26, 2017	Elizabeth Armstrong May 26, 2017
803-L	Added leakage testing	Elizabeth Armstrong July 11, 2017	Elizabeth Armstrong July 11, 2017
803-I	Formatted protocol for easier reading, no actual changes made	Elizabeth Armstrong Sept 14, 2017	Elizabeth Armstrong Sept 14, 2017
803-M	Added Freezer safe test	Elizabeth Armstrong Nov 7, 2017	Elizabeth Armstrong Nov 7, 2017
803-N	Added adult tracking label	Elizabeth Armstrong June 24, 2020	Elizabeth Armstrong June 24, 2020
803-O	Updated microwave safe testing from 4.5min to 3.0 min	Elizabeth Armstrong Aug 10, 2020	Elizabeth Armstrong Aug 10, 2020
803-P	1) Added PFAs/PFOs Supplement Requirement 2) Added Import Permit requirement 3) Updated adult tracking label requirement to a pass/fail 4) Removed Tier 3 requirements	Charlene Swanson March 2022	Charlene Swanson March 2022

803-Q	1) Updated BPA Free Label Testing 2) Updated requirements for BPA testing 3) Added disclaimer for metallic in foodware/drinkware	Charlene Swanson September 2023	Charlene Swanson September 2023
803-R	Added Reese's Law supplemental test line	Elizabeth Armstrong Oct 2023	Elizabeth Armstrong Oct 2023
803-S	Added test methods Total Lead and Total Cadmium (Adults & Childrens)	Violet Nelson November 2023	Violet Nelson November 2023
803-T	1) Added Chemical Disclosure / Labeling in Cookware test line	Elizabeth Armstrong Dec 2023	
803-U	Updated Minnesota test lines under analytical section	Charlene Swanson March 2024	Charlene Swanson March 2024
803-V	1) Added new Food Contact Supplemental protocol (1800) requirements	Jackie Deppisch September 2024	