


PROTOCOL # 813-S

FOODWARE / DRINKWARE - GLASS / CRYSTAL

Performance Test	Test Method	Samples	Test Principle/Requirements	Rating (Section or exec. Summary which failed items can be referenced)
THE USE OF METALLIC IS PROHIBITED IN FOODWARE / DRINKWARE ITEMS				
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:
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 #	

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	<p>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:</p> <p>1) List of chemicals is introduced by the phrase ""The product contains: ""</p> <p>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</p> <p>3) Lab must verify that all disclosed chemicals are present on the Kohl's TRF</p> <p>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</p> <p>See example below:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>This Product Contains: (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:) https://cs.kohls.com/app/answers/detail/a_id/4243?cid=ISMQR246&utm_medium=ISM</p>  </div>		
PHYSICAL CHARACTERISTICS					
Capacity (fl. oz. / mL)	FPLA/ UPLR	3 Samples	As claimed/ measured (+5% / -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	1 Sample	<p>All components shall be provided as claimed and shall not be deformed or fractured.</p> <p>All hardware shall be provided</p> <p>All welds shall be smoothly finished and free from pits and splatter</p> <p>All components shall not contain any burrs or sharp edges (test by touch or sight)</p> <p>Product shall not contain any loose components or unsecured fastening where rigidity is required</p>		
PERFORMANCE					
Effects of Handwashing	Kohl's TM 32	3 Samples	No color change and no adverse effects - Hand wash with detergent for below defined cycles.		
			<table border="1"> <tr> <td>Tier 1</td> <td>5 cycles</td> </tr> <tr> <td>Tier 2</td> <td>10 cycles</td> </tr> </table>	Tier 1	5 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.		
			<table border="1"> <tr> <td>Tier 1</td> <td>5 cycles</td> </tr> <tr> <td>Tier 2</td> <td>10 cycles</td> </tr> </table>	Tier 1	5 cycles
Tier 1	5 cycles				
Tier 2	10 cycles				
Microwave Oven Safe (If Applicable)	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		

Stem Strength - Static	Loading Test	3 Samples	No breaking at below static load – secure 10 lb. Wt. to handle. Suspend with 12" cord		
			Tier 1	8 lbs	
			Tier 2	10 lbs	
Handle Strength - Static	Kohl's TM 34	3 Samples	Should withstand below defined the volume capacity weight		
			Tier 1	2 x volume capacity weight	
			Tier 2	3 x volume capacity weight	
Handle Strength - Impact	Kohl's TM 35	3 Samples	Withstand below impact force.		
			Tier 1	Min. 3oz.	
			Tier 2	Min. 4oz.	
Thermal Shock (if applicable per method)	With Reference to ASTM C554	3 Samples	No Cracking - With below defined timing @ 350°F (177°C) to room temp in water.		
			Tier 1	30 min	
			Tier 2	1 hour	
ANALYTICAL					
*Lead In Scrapable Surface Coating (If Applicable)	ASTM E1613/E1645	1 Sample	≤90 ppm (0.009% by weight). (CPSA – 16 CFR 1303)		
*Leachable Lead And Cadmium On Food Contact Surface (FDA)	AOAC 973.32 ASTM C738	6 Samples	Pb: < 1.0 ppm (large hollowware) < 2.0 ppm (small hollowware) < 0.5 ppm (cups / mugs / pitchers) < 3.0 ppm (flatware) Cd: < 0.25 ppm (large hollowware) < 0.5 ppm (small hollowware) < 0.5 ppm (flatware)		
*Leachable Lead And Cadmium On Food Contact Surface (Ca. Prop 65)	AOAC 973.32 ASTM C738	12 Samples	Pb: < 0.1 ppm (All Hollowware) < 0.226 ppm (Flatware) Cd: < 0.049 ppm (Large Hollowware) < 0.189 ppm (Small Hollowware) < 1.853 ppm (Flatware) (People v. Wedgwood et al.)		
*Lead And Cadmium In Decorating Materials On Exterior Surface (Ca. Prop 65) (If Applicable)	EPA SW 846 Method # 3050B/3051 (Mod.)	Wet Paint or Glaze Material (same formulation as the decorating material fired onto the product)	Decorating materials on the external surface of all types of foodware Pb: < 0.06% Cd: < 0.24% (0.06% for beverage containers) Decorating materials within the external lip and rim area of products that are used to consume beverage Pb: < 0.02% Cd: < 0.08% (0.06% for beverage containers)		
*Leachable Lead And Cadmium In Lip And Rim Area Of Decorated Drinking Vessels (If Applicable)	AOAC 973.32 ASTM C927	6 Samples	Pb: < 4.0 ppm Cd: < 0.4 ppm		
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		
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	
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				