


PROTOCOL # 822.2-W

SERVING TRAY

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	
Import Permit (For Natural Materials Only)	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.	Pass/Fail
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 #	
Dimensions	FPLA/ UPLR	3 Samples	As claimed/ measured (+3% / -0%)	Claim: Actual:

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 data-bbox="771 787 1209 955" style="border: 1px solid black; padding: 5px;"> <p>This Product Contains: (Este producto contiene:) Chemical 1, Chemical 2, Chemical 3, Chemical 4, etc. 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>	
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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>	
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PERFORMANCE

Loading Capacity	Std. Measure	1 Sample	<p>No failure - 2 times the claimed load or below defined lbs whichever is less.</p> <p>Tier 1: 20lbs</p> <p>Tier 2: 30lbs</p>	
Handle Strength	Kohl's TM 34	1 Sample	<p>The handle shall withstand below static load for 1 minutes without any failure.</p> <p>Tier 1: 20lbs</p> <p>Tier 2: 30lbs</p>	
Stain Resistance	Actual Use	1 Sample	<p>No objectionable stain after below timing placement: Ketchup, Mustard, Cooking Oil, Red Wine, Grape Juice & Coffee</p> <p>Tier 1: 30min</p> <p>Tier 2: 4 Hours</p>	
Resistance To Hot Water	Actual Use	1 Sample	<p>Pour 25 mls. of boiling water onto tray surface and allow to cool. Dried surface shall have no graying or spotting</p>	
Effects Of Handwashing	Kohl's TM 32	3 Samples	<p>No color change and no adverse effects – Hand wash with detergent for below defined cycles. - no color change or adverse effects. Report if label is not durably marked.</p> <p>Tier 1: 5 Cycles</p> <p>Tier 2: 15 Cycles</p>	

*Dishwasher Safe (If Claimed)	Kohl's TM57	1 Sample	Dishwasher / detergent below defined cycles Tier 1: 5 Cycles Tier 2: 15 Cycles	
Stability (If Applicable)	Actual Use	1 Sample	-When placed on flat surface, the sample shall be stable and not wobble -Free standing ware shall remain stable when tested at angle	
*Wood Moisture Content (If Applicable)	Std. Measure	1 Sample	Should not exceed 12% for wood based material only	
ANALYTICAL				
*Lead In Scrapable Surface Coating	ASTM E1613/E1645	1 Sample	≤90 ppm (0.009% by weight) (CPSA – 16 CFR 1303)	
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	
*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)	
* 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.	
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	
WITH MARBLE COMPONENTS - PERFORMANCE				
*Resistance to Corrosion	ASTM B 117 (Mod)	1 Sample	Shall withstand 24 hours in 1% Salt Spray (Fog) with no major visual change, pitting or corrosion. Modification = Change of % of Salt Spray	
STAINLESS STEEL (IF CLAIMED & FOOD CONTACT ONLY)				
Claimed Chromium Content < 16%				
* 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	
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	
*Cross Cut Adhesion (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: 4B; Tier 3: 5B	
Claimed Chromium Content ≥ 16%				

*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	
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	
*Cross Cut Adhesion (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: 4B; Tier 3: 5B	
OTHER METAL (FOOD CONTACT ONLY)				
*Wood Moisture Content (If Applicable)	Std. Measure	1 Sample	Should not exceed 12% for wood based material only	
*Cross Cut Adhesion (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: 4B; Tier 3: 5B	
ANALYTICAL				
* 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)	
*Toxicology (wood/ wood with finish)	21 CFR 175.300/178.3800	1 Sample	Resinous and polymeric coatings on wood must comply with applicable requirements of FDA. Bare wood item must comply with PCP limit of 50 ppm max.	
*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.	

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	
WITH PLASTIC/SILICONE COMPONENTS - ANALYTICAL				
*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.	
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	

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 appeal primarily to children, requires additional testing per Kohl's Testing Protocol #601.

PROTOCOL VERSION	DESCRIPTION OF CHANGE	Revised By	Approved By
221 – 0	Initial Release	CY Chan Feb 10, 2004	Roger Mayerson Mar 08, 2004
221 – 1	Added Effects of Handwashing Test. Price Adjustment	Simon Leung Jun 08, 2009	Ro Jain Jun 15, 2009
822-A	Changed protocol number from 221-1 to 822-A. Changed lead in surface coating to 90ppm from 600ppm, price adjustment	Elizabeth Armstrong April 1, 2010	Ro Jain April 1, 2010
822-B	Added BPA Testing	Elizabeth Armstrong November 11, 2010	Ro Jain November 11, 2010
822.2-C	Revised scope for food contact purpose only	Elaine Smaczniak Sep 18, 2012	Ro Jain Oct 4, 2012
822.2-D	FDA – GRAS Stainless Steel Test Updated	John Wong Dec 21, 2012	Rufus Moberly Jan 29, 2013
822.2-E	Separate the test line of Prop 65 to supplementary protocol	John Wong Mar 15, 2013	Ro Jain April 15, 2013
822.2-F	FDA – GRAS Stainless Steel Test Updated	John Wong Jul 18, 2013	Rufus Moberly Jul 23, 2013
822.2-G	Differentiate the performance rating to Tier 1/Tier 2/Tier 3 Change the test condition of Oven Safe from "If Applicable" to "If Claimed" Updated the package price & working days	Jeetendra Shelatkar Oct 4, 2013	Ro Jain Dec 16, 2013
822.2-H	Updated lead content and resistance to corrosion pricing	Candy Chan Jul 30, 2014	Jeetendra Shelatkar Aug. 4, 2014
822.2-I	Renamed all in-house methods	Birkoff Chen Sep. 4, 2014	Elaine Smaczniak October 30, 2014
822.2-J	Updated BPA testing to test all accessible components if BPA Free is claimed	Elizabeth Armstrong July 30, 2015	Elizabeth Armstrong July 30, 2015
822.2-K	Updated the test method of Dishwasher safe to Kohl's TM 57, Thermal Shock Resistance and Toxicology (Plastics and polymeric coating) and BPA Content	Gigi Au May 24, 2016	Elizabeth Armstrong May 25, 2016
822.2-L	Updated GRAS evaluation	Teana Robinette Sept 25, 2018	Teana Robinette Sept 25, 2018
822.2-M	Updated GRAS evaluation for s/s composition	Elizabeth Armstrong Jan 14, 2019	Elizabeth Armstrong Jan 14, 2019

822.2-N	Added Import Permit & Adult Tracking Label Requirements	Jackie Deppisch April 24, 2019	Jackie Deppisch April 24, 2019
822.2-O	Added Stability Test	Charlene Swanson August 2019	Charlene Swanson August 2019
822.2-P	Remove 8° from Stability Test	Charlene Swanson September 2019	Charlene Swanson September 2019
822.2-Q	Updated adult tracking label req	Elizabeth Armstrong June 24, 2020	Elizabeth Armstrong June 24, 2020
822.2-R	Added supplemental protocol requirements	Elizabeth Armstrong March 2022	Elizabeth Armstrong March 2022
822.2-S	Updated BPA Free Label test line and BPA Content test line	Violet Nelson Oct. 2023	Violet Nelson Oct. 2023
822.2-T	Added Chemical Disclosure / Labeling in Cookware test line	Kevin Makocy December 2023	Kevin Makocy December 2023
822.2-U	Removed oven safe, microwave oven, and thermal shock resistance test lines and removed duplicate test lines	Charlene Swanson May 2024	Charlene Swanson May 2024
822.2-V	1) Added new Food Contact Supplemental protocol (1800) requirements	Jackie Deppisch September 2024	Jackie Deppisch September 2024
822.2-W	1) Removed Cross Cut Adhesion from marble section	Charlene Swanson September 2024	Charlene Swanson September 2024