PROTOCOL # 800.2-U Water Bottle Metal (With our Without Plastic)				
Performance Test	**Test Method**	**Samples**	**Requirement**	**Rating (Section or exec. Summary which failed items can be referenced)**
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.	
BPA Free Label	Visual Check	All Samples	Must be conspiciously labeled as "BPA Free" **Containers designed to be filled with food or liquid for children under the age of 3**	
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: 	
*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	
Analytical				
*Lead In Scrapable Surface Coating	CPSC-CH-E1003-09 / 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.	
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.	
*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	
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	
Performance				
Handle Strength (If Applicable)	Kohl's TM-34	3 Samples	For equal or less than 1000 ml container Tier 1: Min. 5 lbs static load Tier 2: Min. 10 lbs static load For greater than 1000 ml container Tier 1: Min. 10 lbs static load Tier 2: Min. 20 lbs static load	
Lid Fitting (If Applicable)	Actual Use	3 Samples	No failure with below defined cycles on / off. Tier 1: 50 cycles Tier 2: 100 cycles	
Effects Of Extreme Temperature (Environmental)	Kohl's TM-30	1 Sample	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.	
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 by beverage after 2 hours placement: red wine, coke, orange juice and grape juice. No objectionable stain after below timing placement: - Red wine, coke, orange juice & grape juice Tier 1: 1 hour Tier 2: 2 hours	
Leakage (Test At As Received Condition And After 5 Cycles Of Dishwashing/ Handwashing)	Visual Check	3 Samples	No water leakage after the sample been filled with water and turned upside down for below specific duration and number of dishwashing / handwashing cycles. Tier 1: 30 minutes / 5 cycles Tier 2: 1 hour / 10 cycles	
Thermal Retention - Cold	With Reference to EN 12546-1	3 Samples	Fill sample with water at 5°C. Start recording the temperature and measure the temperature every 15 minutes until it rises to 15°C. Report the initial and final temperature as well as capacity of the sample. Include the data generated over the time duration in the report. The time elapsed from 5°C to 15°C shall be as below. Time Elapsed (5 to 15°C) Tier 1: 3 hours Tier 2: 5 hours	
Thermal Retention - Hot	With Reference to EN 12546-1	3 Samples	s Preheat the container for (5 + 1) min by filling it to its nominal capacity with hot water at > 95°C. Then empty the container and immediately fill it to its nominal capacity with water at > 95°C. Apply the cover. After leaving the container for 6 h + 5 min at a temperature of (20 + 2) °C, check the water temperature. The water temperature after the 6 h shall be as below. Water Temperature after 6 h + 5 min Tier 1: ≥ 50 °C Tier 2: ≥ 60 °C	
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	
STAINLESS STEEL (IF CLAIMED & FOOD CONTACT ONLY) (Cont.)				
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	
*Stainless Steel Composition (Applicable if product does not comply GRAS test)	Acid Digestion / ICP / ASTM E1019	1 Sample	Stainless steel composition (Carbon, Manganese, Phosphorus, Sulfur, Silicon, Chromium, Nickel, Nitrogen, Molybdenum) test is to be conducted. 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	
OTHER METAL (FOOD CONTACT ONLY)				

*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)	

Protocol Version	Description of Change	Revised by / Date	Approved By / Date
800 – 0	Initial Release	CY Chan Feb 10, 2004	Roger Mayerson Mar 08, 2004
800 – 1	Modified Microwave test requirement.	Simon Leung Oct 04, 2004	Roger Mayerson Oct 11, 2004
800 – 2	Changed the Title to Water Bottle – Plastic. Added Capacity, Lid Fitting, Effects of Extreme Temperature & Handwashing Tests. Price Adjustment.	Simon Leung Oct 31, 2008	Ro Jain Oct, 31 2008
800-A	Changed protocol number from 800-2 to 800-A, changed Lead in scrapable surface to 90ppm from 600ppm, price adjustment	Elizabeth Armstrong April 1, 2010	Ro Jain April 1, 2010
800-B	Changed microwave oven safe test to include testing entire product, not just those with handles only.	Elizabeth Armstrong October 13, 2010	Ro Jain October 13, 2010
800-C	Added BPA Testing	Elizabeth Armstrong November 11, 2010	Ro Jain November 11, 2010
800.2-D	Created from 800-C by changing the scope from Plastic to Metal	Elaine Smaczniak Sep 18, 2012	Ro Jain Oct 4, 2012
800.2-E	FDA – GRAS Stainless Steel Test Updated	John Wong Dec 21, 2012	Rufus Moberly Jan 29, 2013
800.2-F	FDA – GRAS Stainless Steel Test Updated and Added Corrosion Test.	John Wong Jul 18, 2013	Rufus Moberly July 23, 2013
800.2-G	Differentiated the performance rating to Tier 1/Tier 2/Tier 3 Updated the package price & working days	Jeetendra Shelatkar Oct 4, 2013	Ro Jain Dec 13, 2013
800.2-H	Updated Lead & Resistance Corrosion test pricing	Candy Chan Jul 30, 2014	Jeetendra Shelatkar Aug 4, 2014
800.2-I	Renamed in-house test methods	Birkoff Chen Sep. 4, 2014	Elaine Smaczniak Oct 30, 2014
800.2-J	Updated BPA testing to test all accessible components if BPA Free is claimed	Elizabeth Armstrong July 30, 2015	Elizabeth Armstrong July 30, 2015
800.2-K	Added Leachable Lead for Other Metals (Food Contact Only) Updated the test method of Dishwasher safe to Kohl's TM57, Toxicology (Plastics and polymeric coating) and BPA Content	Gigi Au May 20, 2016	Elizabeth Armstrong May 23, 2016
800.2-L	Updated GRAS evaluation test line	Elizabeth Armstrong Jan 11, 2019	Elizabeth Armstrong Jan 11, 2019
800.2-M	Added Thermal Retention for hot & cold	Elizabeth Armstrong June 21, 2019	Elizabeth Armstrong June 21, 2019
800.2-N	Added adult tracking label	Elizabeth Armstrong June 24, 2020	Elizabeth Armstrong June 24, 2020
800.2-O	1) Added PFAs/PFOs Supplement Requirement 2) Added Import Permit requirement 3) Updated adult tracking label requirement to a pass/fail	Charlene Swanson March 2022	Charlene Swanson March 2022
800.2-P	1) Updated BPA Free Label Testing 2) Updated requirements for BPA testing	Charlene Swanson September 2023	Charlene Swanson September 2023
800.2-Q	1) Added Reese's Law supplemental test line	Elizabeth Armstrong Oct 2023	Elizabeth Armstrong Oct 2023
800.2-R	1) Added MN Law lead and cadmium requirements	Elizabeth Armstrong Nov 2023	Elizabeth Armstrong Nov 2023
800.2-S	1) Added Chemical Disclosure / Labeling in Cookware test line	Elizabeth Armstrong Dec 2023	Elizabeth Armstrong Dec 2023
800.2-T	1) Updated MN Law to include exemptions	Elizabeth Armstrong March 2024	Elizabeth Armstrong March 2024
800.2-U	1) Added new Food Contact Supplemental protocol (1800) requirements	Kevin Makocy Sept, 2024	Kevin Makocy Sept, 2024