


| PROTOCOL # 809.1-S | | | | |
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| Flatwear-Metal / Wood | | | | |
| 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 (Children's Products Only) | Visual Check | All Samples | Must be conspicuously labeled as "BPA Free" | |
| 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 # | |

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| EPA TSCA Title VI – Composite Wood - Sample Declaration Form and Mill Certificate (if applicable) | 40 CFR 770 | All Samples | <p>If wood of any type is present in the sample, submitter shall provide a completed and signed Sample Declaration Form. Sections A, B, and E of the Sample Declaration Form must always be completed.</p> <ul style="list-style-type: none"> • If regulated composite wood is not present in the sample, result is N/A. • If regulated composite wood is present in the sample: <ul style="list-style-type: none"> - Submitter shall provide a copy of the certificate issued by the Third Party Certifier (TPC) for the mill(s) from which the raw panels were purchased - All information on the certificate shall be consistent with the Sample Declaration Form - Section D of the Sample Declaration Form must also be completed <p>Notes:</p> <ul style="list-style-type: none"> • Include a copy of the Sample Declaration Form in the report • Regulated composite wood includes: <ul style="list-style-type: none"> - Hardwood plywood (HWPW) - Medium-density fiberboard (MDF)- Thin medium-density fiberboard (Thin MDF) - Particleboard (PB) • Mill certificate must indicate compliance with TSCA Title VI. It is no longer acceptable to have the certificate indicate compliance with CARB's ATCM for formaldehyde in lieu of compliance with TSCA Title VI. | |
| EPA TSCA Title VI – Composite Wood - Raw Panel Labeling (if applicable) | 40 CFR 770.45(a) | All Samples | <ul style="list-style-type: none"> • Panels or bundles of panels must be labeled with the following: <ul style="list-style-type: none"> - The panel producer's name - The lot number - The number of the EPA TSCA Title VI Third Party Certifier (TPC) - A statement of compliance to denote that the panels comply with TSCA Title VI <p>Notes:</p> <ul style="list-style-type: none"> • A panel producer number may be used instead of a name to protect identity • Raw panels are regulated composite wood products that have not been used to create a finished good • The compliance statement must denote compliance with the TSCA Title VI. It is no longer acceptable to have the panel labeled as compliant with CARB's ATCM for formaldehyde in lieu of TSCA Title VI compliance statement. | |
| Formaldehyde Emission of Composite Wood Product - State of California (if applicable) | Airborne Toxic Control Measure (ATCM), California Code of Regulations, Title 17, § 93120 | All Samples | <p>Composite wood products include finished goods composed of or containing hardwood plywood (HWPW) made with either a combination core (CC) or a veneer core (VC), particleboard (PB), and medium-density fiberboard (MDF), or finished goods composed of such products made with no-added formaldehyde based (NAF-based) resins or ultra-low emitting formaldehyde (ULEF) resins, shall not release formaldehyde exceeding the regulatory limits.</p> <p><i>In lieu of testing, valid certificate or test report or certificate can be submitted if dated within 1-3 years.</i></p> | |
| Labeling of Composite Wood Product - Formaldehyde Emission - State of California (if applicable) | Airborne Toxic Control Measure (ATCM), California Code of Regulations, Title 17, § 93120 | All Samples | <p>Composite wood products include finished goods composed of or containing hardwood plywood (HWPW) made with either a combination core (CC) or a veneer core (VC), particleboard (PB), and medium-density fiberboard (MDF), or finished goods composed of such products made with no-added formaldehyde based (NAF-based) resins or ultra-low emitting formaldehyde (ULEF) resins, shall be labeled in accordance with the regulations and meet all applicable requirements.</p> <p><i>In lieu of testing, valid certificate or test report or certificate can be submitted if dated within 1-3 years.</i></p> | |

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| 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><div><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></div> | |
| PHYSICAL CHARACTERISTICS | | | | |
| 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-effects | 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) | Actual Use | 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 |
| Stain Resistance | Actual Use | 3 Samples | No objectionable stain by sauce and oil after below timing placement: - Ketchup, mustard, and cooking oil | |
| | | | Tier 1 | 30 min |
| | | | Tier 2 | 2 hours |
| Resistance to Hot Water | Actual Use | 1 Sample | Pour 25 mls of boiling water and allow to cool. Dried surface shall have no graying or spotting. | |

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| Cross Cut Adhesion (Metal Plating) (if applicable) | ASTM D3359 Method B | 1 Sample | A lattice pattern with six cuts in each direction Method B is made in the film to the substrate, pressure sensitive tape is applied over the lattice and then removed. | | |
| | | | Tier 1 | 3B | |
| | | | Tier 2 | 4B | |
| *Wood Moisture Content (if applicable) (for wood products only) | Standard Measure | 1 Sample | Should not exceed 12% for wood based material only. | | |
| Metal | | | | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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) | | |
| PLASTIC | | | | | |
| ANALYTICAL | | | | | |

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| *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 (if BPA free is claimed) | Solvent extraction and analysis by LC/MS | 1 Sample | Prohibited 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 | |
| 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 | |
| Refer to protocol Hardlines Regulatory Supplement for additional State & Federal Regulations | Refer to Protocol 1800 | All Samples | All samples shall be reviewed against the requirements of the Hardlines Regulatory 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

| PROTOCOL VERSION | DESCRIPTION OF CHANGE | Revised By | Approved By |
|------------------|--|--|------------------------------------|
| 809 – 0 | Initial Release | CY Chan Feb 10, 2004 | Roger Mayerson Mar 08, 2004 |
| 809 – 1 | Changed Protocol Title to Include Napkin Ring. Added Use & Care Label for Napkin Ring; Country of Origin Marking & Stainless Steel Composition Test for Flatware. Removed Metal Plating Thickness Test. Price Adjustment | Simon Leung Oct. 31, 2008 | Ro Jain Oct. 31, 2008 |
| 809-A | Changed protocol number from 809-1 to 809-A. changed lead in surface coating to 90ppm from 600ppm, price adjustment | Elizabeth Armstrong April 1, 2010 | Ro Jain April 1, 2010 |
| 809-B | Added BPA Testing | Elizabeth Armstrong November 11, 2010 | Ro Jain November 11, 2010 |
| 809.1-C | Removed the scope for Napkin Ring | Elaine Smaczniak Sep 18, 2012 | Ro Jain Oct 4, 2012 |
| 809.1-D | Updated Dishwasher Safe Test from 5 cycles to 10 cycles | John Wong Nov. 30, 2012 | Rufus Moberly Dec 3, 2012 |
| 809.1-E | Updated Dishwasher Safe Test. FDA – GRAS Stainless Steel Test Updated Added Corrosion Test | John Wong Jul 18, 2013 | Rufus Moberly Jul 23, 2013 |
| 809.1-F | Differentiate the performance rating to Tier 1/Tier 2/Tier 3 Changed the test method of Cross Cut Adhesion Updated the package price & working days | Jeetendra Shelatkar Oct 4, 2013 | Ro Jain Dec 16, 2013 |
| 809.1-G | Updated lead and resistance to corrosion tests pricing | Candy Chan Jul 30, 2014 | Jeetendra Shelatkar Aug 4, 2014 |

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| 809.1-H | Renamed in-house methods | Birkoff Chen Sep. 4, 2014 | Elaine Smaczniak October 30, 2014 |
| 809.1-I | Updated BPA testing to test all accessible components if BPA Free is claimed | Elizabeth Armstrong July 30, 2015 | Elizabeth Armstrong July 30, 2015 |
| 809.1-J | Added Leachable Lead for Other Metals (Food Contact Only) Updated Cross Cut Adhesion (Paint and Coating on Metal parts) , Toxicology (Plastics and polymeric coating) and BPA Content Removed Country of Origin Marking, Use & Care Label | Gigi Au May 20, 2016 | Elizabeth Armstrong May 23, 2016 |
| 809.1-K | Added “open stock” labeling requirements – product only needs to have COO – address not required | Elizabeth Armstrong Sept 26, 2017 | Elizabeth Armstrong Sept 26, 2017 |
| 809.1-L | Updated GRAS evaluation test line | Elizabeth Armstrong Jan 11, 2019 | Elizabeth Armstrong Jan 11, 2019 |
| 809.1-M | Added adult tracking label | Elizabeth Armstrong June 24, 2020 | Elizabeth Armstrong June 24, 2020 |
| 809.1-N | Added PFAS & updated tiering | Jackie Deppisch March 2022 | Jackie Deppisch March 2022 |
| 809.1 - O | Added import Permit Requirements | Elizabeth Armstrong June 2023 | Elizabeth Armstrong June 2023 |
| 809.1-P | Added Wood Moisture Content testing, EPA TSCA Title VI – Composite Wood, Formaldehyde Emission of Composite Wood Product, Labeling Composite Wood testing | Charlene Swanson June 2023 | Charlene Swanson June 2023 |
| 809.1-Q | 1) Added Chemical Disclosure / Labeling in Cookware test line | Violet Nelson / Dec 2023 | Violet Nelson / Dec 2023 |
| 809.1-R | 1) Added new Food Contact Supplemental protocol (1800) requirements | Jackie Deppisch September 2024 | |
| 809.1-S | Updated 1800 Hardlines Regulatory Supplement for additional State & Federal Regulations | Isaac Grossman/February 2025 | |