

## KOHL'S TEST PROTOCOL

Approved: Sept 10, 2020

**Title: SHELVING (WALL MOUNTED)**

**Protocol Number: Kohl's – 241- B – Tier 1/2/3**

| Test Property | Test Method | Samples | Test Principle/Requirements | Rating<br>(Section or Executive Summary which failed items can be referenced) |
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| <b>LABELING</b>  |   |                |   |        |
|--|---|----------------|---|--------|
| Labeling/Packaging Review  | FPLA<br>16 CFR 500<br>& 19 CFR<br>134   | All<br>Samples | Should be legibly marked with the following information: <ul style="list-style-type: none"> <li>Distributor's name, trademark, or other means of identification of the manufacturer or packer &amp; address (City, State &amp; Zip)</li> <li>Product Identification</li> <li>Net quantity of the contents in terms of weight, measure of numerical count (Metric &amp; US Standard) or a combination so as to give accurate information and facilitate value comparison by the consumer</li> <li>Country of Origin (if imported)</li> </ul>                             |        |
| Verify Label Claims  | Visual Check  | All<br>Samples | The labeling must comply and valid with all claims.   |        |
| Parts Labeling   | Visual Check  | All<br>Samples | Shall match the actual content if present.  |        |
| #Claim Verification<br>(if claimed)  | Visual Check<br>/ Actual Use  | 1<br>Sample    | All designs and features must conform to actual claim   | Claim: |
| Import Permits (for natural materials only)<br>(if applicable)   | US<br>Department<br>of<br>Agriculture<br>Animal &<br>Plant Health<br>Inspection<br>Service<br>(APHIS),<br>Plant<br>Protection<br>and<br>Quarantine<br>(PPQ) | All<br>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)<br><br>Documentation and/or proper permit(s) for specific product shall be supplied along with Testing Request form and samples.<br><br>Permit information may be found at:<br><a href="https://www.aphis.usda.gov/wps/portal/aphis/home/">https://www.aphis.usda.gov/wps/portal/aphis/home/</a><br><br>It is the vendor's responsibility for the compliance to relevant requirements. |        |
| Adult Tracking Label<br>**If space limitations exist,<br>contact Kohl's Quality<br>Assurance & Product Integrity<br>teams to discuss minimum<br>required information<br>( <a href="mailto:MR.QA.PI@kohls.com">MR.QA.PI@kohls.com</a> ) | Kohl's<br>Requirement   | All<br>Samples | Can be included on packaging when necessary:<br>Kohl's Assigned Factory Number<br>Manufacture Date (Month/Year)<br>UPC #  |        |

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| <b>LABELING – continued</b>  |              |     |   |  |
|--|--------------|-----|---|--|
| Instructional Literature /Assembly Instruction (Needs to be provided, Lab to Hold if Not Provided) | Visual check | All | Shall provide safe use, or proper assembly or both, and care instruction. Shall be legible and easy to read.  | Provided :<br>Verified :<br>Not Provided : |
| Maximum Weight Capacity (When Available)   | Visual Check | All | Shall be displayed on the product conspicuously. Record data.   |  |
| EPA TSCA Title VI – Composite Wood - Sample Declaration Form and Mill Certificate (if applicable)  | 40 CFR 770   | All | <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"> <li>• If regulated composite wood is not present in the sample, result is N/A.</li> <li>• If regulated composite wood is present in the sample:               <ul style="list-style-type: none"> <li>- 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</li> <li>- All information on the certificate shall be consistent with the Sample Declaration Form</li> <li>- Section D of the Sample Declaration Form must also be completed</li> </ul> </li> </ul> <p>Notes:</p> <ul style="list-style-type: none"> <li>• Include a copy of the Sample Declaration Form in the report</li> <li>• Regulated composite wood includes:               <ul style="list-style-type: none"> <li>- Hardwood plywood (HWPW)</li> <li>- Medium-density fiberboard (MDF)</li> <li>- Thin medium-density fiberboard (Thin MDF)</li> <li>- Particleboard (PB)</li> </ul> </li> <li>• 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.</li> </ul> |  |

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| <b>LABELING (continued)</b>  |  |             |   |  |
|--|--|-------------|---|--|
| EPA TSCA Title VI – Composite Wood - Raw Panel Labeling (if applicable)                          | 40 CFR 770.45(a)   | All Samples | <ul style="list-style-type: none"> <li>• Panels or bundles of panels must be labeled with the following:                             <ul style="list-style-type: none"> <li>- The panel producer's name</li> <li>- The lot number</li> <li>- The number of the EPA TSCA Title VI Third Party Certifier (TPC)</li> <li>- A statement of compliance to denote that the panels comply with TSCA Title VI</li> </ul> </li> <li>Notes:                             <ul style="list-style-type: none"> <li>• A panel producer number may be used instead of a name to protect identity</li> <li>• Raw panels are regulated composite wood products that have not been used to create a finished good</li> <li>• 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.</li> </ul> </li> </ul> |  |
| 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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|--|--|----------------|--|--|
| EPA TSCA<br>Title VI – Composite Wood –<br>Finished Good Labeling<br>(if applicable) | 40 CFR<br>770.45(c) /<br>40 CFR<br>770.45(e) | All<br>Samples | Finished goods containing regulated composite wood shall comply with the labeling requirements found in 40 CFR 770.45(c) unless the finished good qualifies for the de minimis exception found in 40 CFR 770.45(e). <ul style="list-style-type: none"> <li>•A finished good does not require labeling per 40 CFR 770.45(c) if the finished good does qualify for the de minimis exception in 40 CFR 770.45(e). If the finished good does qualify for the de minimis exception, result is N/A.</li> <li>•A finished good does require labeling per 40 CFR 770.45(c) if the finished good does not qualify for the de minimis exception in 40 CFR 770.45(e).</li> </ul> -At a minimum, the label must be on the product OR the packaging<br>-The label may be applied as a stamp, tag, or sticker<br>-The label shall include, at a minimum, in legible English text: <ol style="list-style-type: none"> <li>1. Fabricator's name</li> <li>2. Date the finished good was produced (in month/year format)</li> <li>3. A statement of compliance to denote that the finished good complies with TSCA Title VI</li> </ol> Example:<br>XXX Company<br>MM/YYYY<br>EPA TSCA Title VI compliant for formaldehyde<br>Notes: <ul style="list-style-type: none"> <li>•A de minimis amount of regulated composite wood is defined as regulated composite wood content not exceeding 144 square inches, based on the surface area of the largest face of the finished good.</li> <li>•The de minimis exception is not available to finished goods or component parts that are designed to be used in combination or in multiples to create larger surfaces, finished goods, or component parts.</li> <li>•When a statement of compliance is necessary, the statement must denote that the finished good complies with TSCA Title VI. It is no longer acceptable to have the product labeled as compliant with CARB's ATCM for formaldehyde in lieu of a TSCA Title VI compliance statement.</li> </ul> |  |
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| <b>PHYSICAL CHARACTERISTICS</b>                  |                           |             |  |  |
|--|---------------------------|-------------|--|--|
| Overall Dimensions                               | Standard Measurement      | 3 Samples   | Report Actual. Shall comply with any claims (If applicable)  |  |
| Overall Weight                                   | Standard Measurement      | 3 Samples   | Report Actual. Shall comply with any claims (If applicable)  |  |
| Part Inventory                                   | Visual Check              | 3 Samples   | Shall meet label claims.   |  |
| Material Type (if applicable)                    | Visual Check              | 1 Sample    | Report Actual. Shall meet label claims   |  |
| <b>FLAMMABILITY</b>                              |                           |             |  |  |
| Flammability of Solids (if applicable)           | 16 CFR 1500.44            | 1 Sample    | Shall not burn at a rate exceeding 0.1 in./sec.  |  |
| Flammability for Vinyl Material (if applicable)  | 16 CFR 1611               | 1 Sample    | Shall not exceed 1.2 inch/second of average rate of burning.   |  |
| <b>CONSTRUCTION QUALITIES</b>                    |                           |             |  |  |
| Kohl's Workmanship Review                        | Visual Check / Actual Use | All Samples | <ul style="list-style-type: none"> <li>All components shall be provided as claimed and shall not be deformed or fractured.</li> <li>All hardware shall be provided</li> <li>All welds shall be smoothly finished and free from pits and splatter</li> <li>All components shall not contain any burrs or sharp edges (test by touch or sight)</li> <li>Product shall not contain any loose components or unsecured fastening where rigidity is required</li> <li>Product shall not tip over during casual handling</li> </ul> |  |
| *Sharp Points & Edges (If applicable)            | 16 CFR 1500.48 & 49       | 1 Sample    | Products intended for children shall not exhibit non-functional sharp points and edges.  |  |
| <b>PERFORMANCE</b>                               |                           |             |  |  |
| Wall Mounting Device or Hardware (if applicable) | Actual Use                | 1 Sample    | Instructions shall provide detailed procedures for proper mounting.  |  |

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| PERFORMANCE – continued   |                             |          |   |               |        |                         |                         |  |
|---|-----------------------------|----------|---|---------------|--------|-------------------------|-------------------------|--|
| *Static Loading On Wall - Mounting Hardware                                     | Kohl's TM 40                | 1 Sample | Shall withstand no. of times total weight of the product. No breakage, permanent deformation or bending. No adverse effects. The application of test load shall be evenly distributed to the product. <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Tier 1/Tier 2</td> <td>Tier 3</td> </tr> <tr> <td>2 times of total weight</td> <td>3 times of total weight</td> </tr> </table> | Tier 1/Tier 2 | Tier 3 | 2 times of total weight | 3 times of total weight |  |
| Tier 1/Tier 2   | Tier 3                      |          |   |               |        |                         |                         |  |
| 2 times of total weight   | 3 times of total weight     |          |   |               |        |                         |                         |  |
| Effects of extreme temperature/humidity (environmental)                         | Kohl's TM 30                | 1 Sample | 24 hours @ 0°F (-18°C) 24 hours @ 95% RH/120°F (49°C) – no failure or visual change.  |               |        |                         |                         |  |
| Cycle Test/Test for buttons, switches, and/or moving components (if applicable) | Actual Use                  | 1 Sample | Shall have no breakage, loss of functionality, loss of serviceability after 200 times/cycles of buttons, switches, and/or moving components.  |               |        |                         |                         |  |
| Ease of Assembly/Installation (if applicable)                                   | Actual Use                  | 1 Sample | Shall present no difficulties during assembly and installation when following instructions.   |               |        |                         |                         |  |
| Functionality   | Actual Use                  | 1 Sample | Shall function as intended as received.   |               |        |                         |                         |  |
| Tension Test for Removal of Components (if applicable)                          | With reference to ASTM F963 | 1 Sample | Minimum of 15 lbf for 10 s.   |               |        |                         |                         |  |
| *Wood Moisture Content (if applicable) (for wood products only)                 | Standard Measure            | 1 Sample | Should not exceed 12% for wood based material only.   |               |        |                         |                         |  |
| Drop Test (for non-fragile items)   | Actual Use                  | 1 Sample | Shall withstand 3 drops from 3 feet height onto vinyl clad cement floor with no failure.  |               |        |                         |                         |  |
| Hanging Strength – For Hanging or Wall Mount Items (if applicable)              | Actual Use                  | 1 Sample | Product shall support the maximum claimed amount of weight for 24 hours without damage and/or loss of functionality. If no claim is made product shall be loaded to capacity with recommend items (i.e. shoes, purses, jewelry, etc.) for 24 hours. Product shall show no signs of damage and shall function as intended.   |               |        |                         |                         |  |

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| <b>PERFORMANCE - continued</b>                               |                          |             |  |  |
|--|--------------------------|-------------|--|--|
| Shelf Loading Capacity                                       | Actual Use               | 1 Sample    | Apply the manufacturers stated load capacity to each shelf. Allow the load to remain for 30 minutes.<br>If no capacity is stated apply test load dependent on shelf width and depth as follows:<br><br><8 in depth (3 lb. x shelf width);<br>8 – 16 in depth (5 lb. x shelf width);<br>>16 in depth (7 lb. x shelf width).<br><br>Report maximum deformation. Shall not exceed 0.250in |  |
| Storage Area Loading Strength                                | Actual Use               | 1 Sample    | Shall withstand distributed loading of 0.65 kg/dm <sup>2</sup> for 60 minutes.   |  |
| Static Load – Samples with Hooks and/or Pegs (if applicable) | Actual Use               | 1 Sample    | Apply 6-lb load on each hook or peg simultaneously for 24 hours. For peg, the load shall be applied within 1 inch from the outer end. No structural damage, permanent deformation, or loss of functionality.   |  |
| Resistance to Corrosion (metal components only)              | ASTM B117                | 1 Sample    | Shall withstand 24 hours in 1% salt spray (fog) with no major corrosion or visual change.  |  |
| Cross Cut Adhesion (Metal Plating) (metal products only)     | ASTM D3359 Test Method A | 1 Sample    | Cut 2 in. cross-hatch pattern on surface of plated item, plating must remain affixed. Trace peeling or removal along incision or at their intersection is accepted.  |  |
| Fit properties   | Actual Use               | 1 Sample    | All components shall provide good fit when assembled.  |  |
| <b>ANALYTICAL</b>  |                          |             |  |  |
| *Lead in Scrapable Surface Coating                           | CPSC-CH-E1003-09         | 1 Sample    | ≤90 ppm (0.0090% by weight) (CPSA – 16 CFR 1303)   |  |
| *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.  |  |

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| Protocol Version | Description of Change                           | Revised by/Date                    | Approved by/Date                   |
|------------------|---|------------------------------------|------------------------------------|
| 241-A            | Initial Release                                 | Charlene Swanson<br>September 2020 | Charlene Swanson<br>September 2020 |
| 241-B            | Added composite wood testing for finished goods | Charlene Swanson<br>October 2020   | Charlene Swanson<br>October 2020   |

**ADDITIONAL NOTE:**

\*Please refer to Kohl's preferred third party labs for individual pricing and samples.

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