

**PROTOCOL # 430-C**

**Storage Unit with Shelves**

Performance Test	Test Method	Samples	Requirement	Rating (Section or exec. Summary which failed items can be referenced)
<b>Initial Package</b>				
<b>Label Verification</b>				
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)	
Parts Labeling	Visual Check	1 Sample	Shall match the actual content if present.	
Labeling of Leather Fiber and Imitation Leather (if applicable)	16 CFR 24	1 Sample	Leather fiber and imitation leather product shall meet all applicable requirements.	
Sharp Points & Edges	16 CFR 1500.48 & 49	1 Sample	Products intended for children shall not exhibit non-functional sharp points or sharp edges	
Maximum Weight Capacity	Visual Check	All Samples	Shall be displayed on the product conspicuously. Record data.	
Warning Label (for shelving – if applicable)	Visual Check	All Samples	“Never allow children to stand, climb, or hang on shelves”	
Warning Label (for shelving – if applicable)	Visual Check	All Samples	“Place heaviest items on the lowest shelf”	
Age Grading	ASTM F 963 5.2	All Samples	Shall be properly labeled	
Adult Assembly Labeling (If Applicable)	ASTM F 963 5.8 & 6.4	All Samples	Shall be properly labeled	
Flammability of Solids (if applicable)	16 CFR 1500.44	1 Sample	Shall not burn at a rate exceeding 0.1 in./sec.	
Flammability of Textiles (if applicable)	16 CFR 1610	1 Sample	Class 1	
Flammability for Vinyl Material (if applicable)	16 CFR 1611	1 Sample	Shall not exceed 1.2 inch/second of average rate of burning.	
Instructional Literature /Assembly Instruction (Needs to be provided – Lab HOLD if not provided)	Visual Check	All Samples	Information and instructions shall provide safe use, or proper assembly or both, and care instruction. Shall be legible and easy to read.	<input type="checkbox"/> Provided <input type="checkbox"/> Verified <input type="checkbox"/> Not Provided
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: <a href="https://www.aphis.usda.gov/wps/portal/aphis/home/">https://www.aphis.usda.gov/wps/portal/aphis/home/</a>  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 MR.QA.PI@kohls.com	Kohl's Requirement	All Samples	<b>Should be rated as pass/fail</b> Can be included on packaging when necessary: Kohl's Assigned Factory Number Manufacture Date (Month/Year) UPC #	

<p>EPA TSCA Title VI – Composite Wood - Sample Declaration Form and Mill Certificate (if applicable)</p>	<p>40 CFR 770</p>	<p>All Samples</p>	<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>	
<p>EPA TSCA Title VI – Composite Wood - Raw Panel Labeling (if applicable)</p>	<p>40 CFR 770.45(a)</p>	<p>All Samples</p>	<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> </ul> <p>Notes:</p> <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>	
<p>EPA TSCA Title VI – Composite Wood  Finished Good Labeling</p>	<p>40 CFR 770.45(c)</p>	<p>All Samples</p>	<p>Finished goods <b>containing regulated composite wood</b> shall comply with the labeling requirements found in 40 CFR 770.45(c).</p> <p>At a minimum, the label must be on the product OR the packaging The label may be applied as a stamp, tag, or sticker The label shall include, at a minimum, in legible English text:</p> <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> <p>Example: XXX Company MM/YYYY EPA TSCA Title VI compliant for formaldehyde</p> <p>Notes:</p> <p><b>Client does not allow the use of the de minimis exception found in 40 CFR 770.45(e). All finished goods containing regulated composite wood shall include labeling pursuant to the above requirements of 40 CFR 770.45(c).</b></p> <p><b>A statement of compliance that denotes the finished good complies with CARB's ATCM for formaldehyde will be accepted in lieu of a TSCA Title VI compliance statement until March 22, 2019.</b></p> <p>Rating Schedule: On or after June 1, 2018: Compliant submission shall be rated as pass Non-compliant submission shall be rated as fail</p>	

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	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.  In lieu of testing, valid certificate or test report or certificate can be submitted if dated within one year.
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	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.  <del>In lieu of testing, valid certificate or test report or certificate can be</del>
CPSIA Tracking Label	Visual Check	All Samples	Kohls Tracking label Requirements – Includes “Kohl’s”, the product style number or name, the manufacturer’s factory number and the month and year the product was manufactured. Shall be permanently and distinguishably marked on the product.
Small Parts Warning	ASTM F 963 5.11	All Samples	WARNING: CHOKING HAZARD – Small parts. Not for children under 3 yrs.
<b>Physical Characteristics</b>			
Overall Dimensions	Std. Measure	1 Sample	Report Actual. Shall comply with any claims (If applicable)
Overall Weight	Std. Measure	1 Sample	Report Actual. Shall comply with any claims (If applicable)
Part Inventory	Visual Check	1 Sample	Shall meet label claims.
Tipover Restraints for Clothing Storage Unit (Expanded Scope: similar items to verified by tech spec or BOM) - State of New York (if applicable)	US State Law, State of New York, Harper’s Law (Assembly Bill A4421B) / ASTM F2057 Section 4.4 & 4.5 / ASTM F3096	All Samples	Free-standing clothing storage furniture (27 inches and above in height) shall meet the tipover restraints requirements prescribed in ASTM F2057.
Warning Label Clothing Storage Unit (Expanded Scope: similar items to verified by tech spec or BOM) – State of New York (if applicable)	US State Law, State of New York, Harper’s Law (Assembly Bill A4421B) / ASTM F2057 Section 8	All Samples	Free-standing clothing storage furniture (27 inches and above in height) shall have a permanent warning label, as specified in Section 8 of the Standard, attached to the unit in a conspicuous location when in use.
Clothing Storage Units (Expanded Scope: similar items to verified by tech spec or BOM)– Labeling (if applicable)	ASTM F2057	All Samples	Shall comply with labeling requirements as specified in the standard.
Clothing Storage Units (Expanded Scope: similar items to verified by tech spec or BOM) - Physical & Mechanical (if applicable)	ASTM F2057	All Samples	All Samples Shall comply with physical and mechanical requirements (stability) as specified in the standards.
<b>Performance (functions, aesthetics)</b>			
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.
Defects	Visual Check	1 Sample	No observable defects such as: - Cracks, tears, or breaks on the product or its accessories. - Serious scratches on external surfaces. - Discernible surface degradation, including loose threads, crazing, shivering, denting, bubbles, cracks, stains, deformations, chips, fractures, heavy lines, waves, shear marks, scratches, scuff marks, indentations, or blisters. - Shall be free of contamination, dirt, and debris. - Components missing, malformed, and/or fractured
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 use of buttons, switches, and/or moving components.
Stability	Actual Use	1 Sample	Shall not tip over at a 10° incline in the direction of least stability; the test shall be performed in the fully loaded and unloaded orientations.

Load Test	Actual Use	1 Sample	Apply the manufacturers stated load capacity to each shelf. Allow the load to remain for 30 minutes. If no capacity is stated apply test load dependent on shelf width and depth as follows:  <8 in depth (3 lb. x shelf width); 8 – 16 in depth (5 lb. x shelf width); >16 in depth (7 lb. x shelf width).  Report maximum deformation. Shall not exceed 0.250in.	
Casters (if applicable)	Actual Use	1 Sample	Shall not mar PVC flooring and be able to roll the unit in all directions. The force shall not exceed 0.30 multiplied by the weight of product. Travel a minimum of 50' in each of the 4 directions. Casters shall be able to lock if applicable.	
Wood Part (if applicable)	With reference to ASTM F2613 Section 5.1	1 Sample	Shall have exposed wood part be smooth and free of splinters prior to testing.	
Small Part	With reference to ASTM F2613 Section 5.3	1 Sample	Shall have no small parts before testing or liberated as a result of testing to the Standard.	
Scissoring, Shearing, or Pinching (if applicable)	With reference to ASTM F2613 Section 5.7	1 Sample	Edges of rigid parts that admit a probe that is greater than 0.210 in. (5.30 mm) and less than 0.375 in. (9.50 mm) diameter at any accessible point throughout the range of motion of such parts shall not be permissible.  Products that fold and that are evaluated per the requirements of Section 5.8.1 shall be evaluated only when in the manufacturer's recommended use position(s).	
Folding Components – General (if applicable)	With reference to ASTM F2613 Section 5.8	1 Sample	Shall meet either requirements of latching and locking mechanisms in Section 5.8.1 or Hinge Line Clearance in Section 5.8.2 of the Standard. These requirements are intended to eliminate possible crushing, laceration, or pinching hazards that might occur in latching or locking mechanisms and hinges.	
Folding Mechanism and Locking Device (if applicable)	With reference to ASTM F2613 Section 5.8.1	1 Sample	-Latching and locking mechanisms and other means shall engage automatically when the product is placed in any manufacturer's recommended use position. Latching and locking mechanisms may be manually activated to allow placement of the product into the use position but must engage automatically when released. The unit shall remain in its recommended use position during and upon completion of specified testing. - Products designed with a latching or locking mechanism must meet either below requirement: (1) Products shall be designed with a single action release mechanism that shall not release when tested; (2) Products shall be designed with a double action release system. There are no force requirements for a double action release system. - No product shall give the appearance of being in any manufacturer's recommended use position unless the latching or locking mechanism is fully engaged.	
Hinge Line Clearance (if applicable)	With reference to ASTM F2613 Section 5.8.2	1 Sample	Accessible gap or clearance along the hinge line between a stationary portion and a movable portion shall be so constructed that, if the accessible gap at the hinge line will admit a 3/16-in. (5-mm) diameter rod, it shall also admit a 1/2-in. (13-mm) diameter rod at all positions of the hinge. The hinge shall be evaluated along the entire length of the gap in all positions of the hinge.	
Protective Component Removal Test (if applicable)	With reference to ASTM F2613 Section 5.11	1 Sample	Component that can be grasped by children's thumb and forefinger or teeth (such as cap, sleeve, or plug used for protection from sharp edge, point, or entrapment of finger or toe), or if there is at least a 0.040-in. (1.00-mm) gap between the component and its adjacent parent component, such component shall not be removed.	
Product with Zipper Front (if applicable)	FIRA/FRQG C004 Clause 3.2.2	1 Sample	Domestic children storage furniture that a child can enter and has an internal volume > 0.03 m <sup>3</sup> , and in which all the internal dimensions are > 150 mm, two way zip pulls shall be used for zip access.	
General Performance	FIRA/FRQG C004 Clause 3.3	1 Sample	Domestic children storage furniture shall meet all applicable requirements per BS 4875-7:2006 to test level 2 as a minimum.	
Fiber Content (if applicable)	AATCC 20/20A	1 Sample	Single fiber: No tolerance Blended fiber: +/- 3%	

Fabric Weight (if applicable)	ASTM D3776	1 Sample	Shall meet label claims.	
Fabric Count of Woven Fabric (if applicable)	ASTM D3775	1 Sample	Shall meet label claims.	
Fabric Defects (if applicable)	ASTM D3990	1 Sample	No defects in fabric or sewing including no tears, holes, dirt, stains, mildew, uneven color, slub yarn, unfinished seams, non-uniformity in decorations or seams, and the color of all thread must match the color of the material	
Seam Strength (if applicable)	ASTM D1683-11 (Mod)	1 Sample	Side seam: 25 lb. minimum Bottom seam: 25 lb. minimum Zipper seam: 25 lb. minimum  Modification: Expanded scope of products	
Breaking Strength of Textile Fabrics: Grab Test (if applicable)	ASTM D5034	1 Sample	25 lb. minimum.	
Colorfastness to Crocking (if applicable)	AATCC 8 / 116	1 Sample	Dry: Grade 4.0 minimum Wet: Grade 3.0 minimum	
Colorfastness to Light (if applicable)	AATCC 16, Option 3	1 Sample	Grade 3.0 Minimum at 20 hours for indoor items Grade 4.0 Minimum at 40 hours for outdoor items  Note: Fade Resistant claims, applicable only to outdoor products, curtains, & upholstered furniture with UV resistant, shall have a Grade 3.0 at 60 hours.	
Colorfastness to Water (if applicable)	AATCC 107	1 Sample	Color Change: 4.0 (min) Color Stain: 4.0 (min)	
Protective Caps on Legs (if applicable)	Actual Use	1 Sample	Shall be non-marring.	
* Formaldehyde - For Textile (if applicable)	AATCC 112	1 Sample	Recommended for textile. Shall not exceed below limits. - Baby (up to 36 months of age): Not detected (< 16 ppm) - Direct contact with skin: 75 ppm - Without direct contact with skin: 300 ppm - Decoration material: 300 ppm	
* Formaldehyde - For Leather (if applicable)	ISO 17226	1 Sample	Recommended for leather. Shall not exceed below limits. - Baby (up to 36 months of age): < 10 ppm - Direct contact with skin: 75 ppm - Without direct contact with skin: 300 ppm - Decoration material: 300 ppm	
Resistance to Surface Scratching (if applicable)	Actual Use	1 Sample	Free-standing article shall have no scratching on test surfaces after 3 times going back and forth over 6 inches.	
Moisture content (if applicable)	Std. Measure	1 Sample	Shall be between 8% - 12%.	
Resistance To Corrosion (Metal components Only)	ASTM B117-11 ASTM G85 (Mod.)	1 Sample	Shall withstand 24 hours in 1% salt spray (fog) with no major visual change or corrosion. Modification = % of salt spray	
#Claim Verification (If Claimed)	Visual Check / Actual Use	1 Sample	All designs and features must conform to actual claim	Claim:
Tech Pack Verification (Needs to be provided – Lab HOLD if not provided)	Visual Check / Std. Measurement	1 Sample	Verify all claims mentioned in Tech Pack File	<input type="checkbox"/> Provided <input type="checkbox"/> Verified
<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> </ul>	
<b>ANALYTICAL</b>				
Lead in Scrapable Surface Coating	CPSC-CH- E1003-09	1 Sample	≤ 90 ppm (0.009% by weight)  (CPSA – 16 CFR 1303)	
CA Prop 65	Refer to Protocol 1300	1 Sample	All samples shall be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required.	

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.	
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**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 to children, requires additional testing per Testing Protocol # 601.**

Protocol Version	Description of Change	Revised by / Date	Approved By / Date
430-A	Initial Release	Eizabeth Armstrong Aug 13, 2020	Eizabeth Armstrong Aug 13, 2020
430-B	Added PFAS Supplemental Protocol testing requirement, updated resistane to corrsion testing, added construction qualities	Charlene Swanson March 2022	Charlene Swanson March 2022
430-C	Removed year from ASTM F963 test methods	Violet Nelson / Feb 2024	Violet Nelson / Feb 2024