

**PROTOCOL # 421-H**

**Utility Cart/Wagon**

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)	
Use Labeling	Visual Check	All Samples	Use/care instructions that are clear and understandable shall be provided in language appropriate to destination countries	
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
Verify Label Claims	Visual Check	All Samples	The labeling must comply and valid with all claims.	
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 quality.assurance@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 #	
<b>Physical Characteristics</b>				
Dimensions	Std. Measure (in/cm)	1 Sample	Report overall dimensions; shall meet label claims (if applicable).	
Dimensions - Handle	Std. Measure (in/cm)	1 Sample	Report overall dimensions; shall meet label claims (if applicable).	
Dimensions - Bed	Std. Measure (in/cm)	1 Sample	Report overall dimensions; shall meet label claims (if applicable).	
Dimensions - Wheel	Std. Measure (in/cm)	1 Sample	Report overall dimensions; shall meet label claims (if applicable).	
Weight	Std. Measure (in/cm)	1 Sample	Report overall dimensions; shall meet label claims (if applicable).	
Fabric Weight	ASTM D3776-09a R2013	1 Sample	[For fabric items only] Report grammage.	
Parts Inventory	Visual Check	1 Sample	Shall meet label claims.	
<b>Construction Qualities</b>				
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 -Filling material shall be free of objectionable matter and contaminants	

Performance				
Actual use - functionality - not covered by other tests	Actual Use	All Samples	Shall function as intended as received. Report details of evaluation (features tested / methods used / materials used / etc.) Report any features not evaluated.	
Durability - moving components	Kohl's TM 12	1 Sample	100 times / cycles use of moving components - No failure and all components must have and maintain a smooth uniform movement throughout each cycle.	
Loading test	Kohl's TM 12	1 Sample	Shall withstand maximum loading 225 lb (or claimed weight) for 1 hour with no visible deformation or damage	
Dynamic load – bed	Kohl's TM 12	1 Sample	Shall withstand an impact of 50 ft-lb on center of bed with no structural failure	
Caster performance	Kohl's TM 12	1 Sample	Loaded to 1.5 times of claimed maximum loading (if no claimed, load to full capacity) Horizontal force required to move the cart/ wagon shall not exceed 25 lb	
Caster or wheel - rolling test	Actual Use	1 Sample	Wheels shall be rolled easily on carpet surface and concrete surface. Report any finding.	
Caster or wheel - durability test	ANSI/BIFMA X5.1-17 Sec. 16.2 modified	1 Sample	No loss of serviceability to casters or wheels of cart or trolley after traveling 30 inches forward and backward stroke per minute with 225 lb load for 50 cycles over the obstacles. Modification = Expanded scope to other products, Cycle time and Loading parameter changed	
Seam Strength and Slippage Test	ASTM D1683-2011	1 Sample	For fabric items only] [Woven] If Fabric weight (Oz / sq yd): <2.5: 10 lbs Minimum 2.5-4.0: 15 lbs Minimum 4.1-6.0: 20 lbs Minimum >6.0: 25 lbs Minimum	
Tensile strength (For fabric)	ASTM D5034-09 R2013	1 Sample	For fabric: Report actual or as per specification.	
Tearing strength (For fabric)	ASTM D1424-09 R2013e1	1 Sample	For fabric: Report actual or as per specification.	
Water repellency - spray test	AATCC 22-14	1 Sample	For fabric: Rating 90 min.	
Effects Of Extreme Temperature/Humidity	Kohl's TM 30	1 Sample	24 Hours @ 0° F (-18°C) and 24 Hours @ 95 RH/120° F (49°C). No failure.	
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	
Colorfastness to light (For fabric of outdoor use article)	AATCC 16.3	1 Sample	For fabric of outdoor use article: 10 AFU: Grade 4 min.	
Colorfastness to crocking	AATCC 8 / 116	1 Sample	For fabric: Dry: Grade 4 min. Wet: Grade 3 min.	
Moisture content (if applicable)	Std. Measure	1 Sample	Shall be between 8% - 12%.	
#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
ANALYTICAL				
Total Lead In Surface Coating	CPSC-CH-E1003-09.1	1 Sample	All accessible surface coatings in the as received state on items outside of the scope of 16 CFR 1303 shall not contain lead or lead components in which the lead content is in excess of 0.009% (90 ppm) of the weight of the total content.  Note: - Report actual results or include data table within report. - Component testing is allowed. - Based on CPSC SOP, will composite up to 3 colors. If any color in the composite exceeds 80% of the limit (72 ppm), based on the lowest weight component, individual colors will be analyzed. - Non-suspect materials as defined by the Consumer Products Safety Commission under 16 CFR 1500.88 and 16 CFR 1500.91 (d) and (e) will not be tested. It is the vendor's responsibility to ensure compliance to the applicable requirements.	
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.	

**PRICING AND ADDITIONAL NOTE:**

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

Protocol Version	Description of Change	Revised by / Date	Approved By / Date
421-A	Initial Release	Elizabeth Armstrong Aug 31, 2015	Elizabeth Armstrong Aug 31, 2015
421-B	Add assembly instructions and updated Tech pack testing results/rating	Elizabeth Armstrong March 14, 2016	Jeetendra Sheltakar March 14, 2016
421-C	Updated test methods for water repellency, fabric weight	Elizabeth Armstrong May 13, 2016	Elizabeth Armstrong May 13, 2016
421-D	Updated BIFMA method for caster or wheel durability test to meet new industry standards	Elizabeth Armstrong May 10, 2017	Elizabeth Armstrong May 10, 2017
421-E	Added Import Policy & Adult Tracking Label requirements	Jackie Deppisch April 24, 2019	Jackie Deppisch April 24, 2019
421-F	Removed "data only" from adult tracking label, removed "not provided" from tech pack verification	Elizabeth Armstrong June 11, 2020	Elizabeth Armstrong June 11, 2020
421-G	Added PFAS Supplemental Protocol testing requirement	Charlene Swanson / March 2022	Charlene Swanson / March 2022
421-H	Added 10 AFU to test line for colorfastness to light, updated email address or	Charlene Swanson / May 2024	Charlene Swanson / May 2024