

PROTOCOL # 415 - M

GAZEBO/CANOPY/TENT

Performance Test	Test Method	Samples	Requirement	Rating (Section or exec. Summary which failed items can be referenced)
LABELING				
Labeling / Packaging Review	FPLA 16 CFR 500 & 19 CFR 134	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)	
Verify Label Claims	Visual Check	All Samples	The labeling must comply and valid with all claims.	
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	Can be included on packaging when necessary: Kohl's Assigned Factory Number Manufacture Date (Month/Year) UPC #	
Import Permit (For Natural Materials Only)	US Department of Agriculture Animal and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ)		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
CPAI - 84 Labeling	CPAI-84	All Samples	Required CPAI - 84 Labeling that material meets CPAI-84 flame resistant requirement	
Manufacturer I.D. & Code Number	CPAI-84	All Samples	Must be included and should be in a close proximity to the warning label.	
Warning Label (Must Be Included On Product And Assembly Instructions) Note: @Replace the Word "Gazebo" by "Canopy" or "Tent" Wherever as Appropriate. If the Product Is Indeed A Gazebo Then There Is No Need To Replace.	CPAI-84	All Samples	WARNING: KEEP ALL FLAME AND HEAT SOURCES AWAY FROM THIS GAZEBO@ FABRIC This gazebo@ meets the flammability requirements of CPAI-84. The fabric may burn if left in continuous contact with any flame source. The application of any foreign substance to the gazebo @ fabric may render the flame-resistant properties ineffective.	
Instructional Literature /Assembly Instruction (Needs to be provided – Lab HOLD if not provided)	Visual Check / Actual Use	All Samples	Shall provide safe use, or proper assembly or both, and care instruction. Shall be legible and easy to read.	Provided Verified Not Provided
PHYSICAL CHARACTERISTICS				
Overall Dimension:				
Height (ft./m)	Std. Measure	1 Sample	As approved / as claimed/as measured (+5% / -0%)	Claim: Actual:
Width (ft./m)	Std. Measure	1 Sample	As approved / as claimed/as measured	Claim: Actual:
Depth (ft./m)	Std. Measure	1 Sample	(+5% / -0%)	Claim: Actual:
Zipper Length (ft/m)	Std. Measure	1 Sample	As approved / as claimed/as measured	Claim: Actual:
Window Dimensions (in/cm)	Std. Measure	1 Sample	As approved / as claimed/as measured	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	
FABRIC QUALITIES				
Fabric Weight (oz./sq. yd.)	ASTM D3776	1 Sample	As approved /as claimed /as measured. (± 5%)	

Yarn Structure	ASTM D1059	1 Sample	As approved /as claimed/as measured. (± 3%)	
Thread Count	ASTM D3775	1 Sample	As approved/ as claimed/ as measured (± 5%)	
Defects	ASTM 3990	1 Sample	No major defects.	
Evenness Of Color	Visual Check	1 Sample	Shall provide uniform color.	
Fabric Strength:				
Length	ASTM D5034	1 Sample	Min. 50 lbs./in.	
Width	ASTM D5034	1 Sample	Min. 50 lbs./in.	
Seam Strength:				
Fabric Seam	ASTM D1683	1 Sample	Min. 30 lbs./in.	
Floor Seam	ASTM D1683	1 Sample	Min. 30 lbs./in.	
Zipper Seam	ASTM D1683	1 Sample	Min. 30 lbs./in.	
Strap Seam (At Pole)	ASTM D1683	1 Sample	Min. 30 lbs./in.	
Pocket Reinforcement	ASTM D1683	1 Sample	Min. 30 lbs./in.	
Seam Slippage	ASTM D1683	1 Sample	Min. 25lbs @ ¼ in slippage	
Water Repellency Characteristics				
Surface Water Repelling	Spray AATCC 22	1 Sample	Min. 90 Ratings	
Water Resistance	Rain Test AATCC 35	1 Sample	Rain Test (2 Min. 2 Ft.) - Max. 1 gm water penetration	
Hydro Static Pressure (if applicable)	Floor – AATCC 127	1 Sample	Min. 1000 MM.	
Colorfastness:				
Light Fading	AATCC 16.3	1 Sample	Min. Class 3.5. Record actual data at 40/80/100 hrs.	
Dry Crocking	AATCC 8/116	1 Sample	Min. Class 4.0	
Wet Crocking	AATCC 8/116	1 Sample	Min. Class 3.0	
PERFORMANCE				
Assessment Of Potential Finger Entrapment	EN 581-1 Section 5	1 Sample	Any externally accessible openings must not be 7 to 12mm in diameter.	Provided Verified Not Provided
Pole Strength/Framework Strength:				
Breaking Force (applicable to hollow construction only)	Breaking Force	1 Sample	Pole: No breakage at 45o angle @ 25 lbs. Framework: No breakage at 45o angle @ 30 lbs.	
Zipper Performance Characteristics:				
Operability	ASTM D 2062	1 Sample	Max. 2 lbs.	
Cross Strength	ASTM D 2061	1 Sample	Min. 50 lbs.	
Top Stop Strength	ASTM D 2061	1 Sample	Min. 20 lbs.	
Loading Test on Ancillary Fixtures e.g. Plant Stand, Serving Table Top, Corner Shelf, etc (If Applicable):				
Distributed Load Capacity Test (if applicable)	ANSI/SOHO S6.5 Section 5.2 (Mod.)	1 Sample	Max. 1/4 In. deformation. Test load dependent upon shelf width and depth: < 8 In depth (3 lbs. x shelf width) 8 - 16 In depth (5 lbs. x shelf width) > 16 In depth (7 lbs. x shelf width) Modification=Acceptance criteria added	
Concentrated Top Loading Test (if applicable)	ANSI/SOHO S6.5 Section 5.3 (Mod.)	1 Sample	No structural failure or max. 1/2 In. deformation when 50 lbs. test load is placed on 12 In. disc 1 In. from the edge. Modification= Load applied changed	

Others:				
Colorfastness To Light (Hardware)	AATCC 16E	1 Sample	Min. Class 3.5. Record actual data at 20/40/60 hrs.	
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 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	
Cross-cut Adhesion (Plating & Surface Coating)	ASTM D 3359 (Mod.)	1 Sample	Cut 2 in. cross - hatch pattern on surface of plated and/or painted area. Plating and/or painted surface must remain affixed. Trace peeling or removal along incision or at their intersection is accepted.	
*Wood Moisture Content (If Applicable)	Std. Measure	1 Sample	Should be between 6-10% for wood based material only	
#Claim Verification (If Claimed)	Visual Check / Actual Use	1 Sample	All designs and features must conform to actual claim	Claim: Actual:
*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	Provided Verified
FLAMMABILITY				
Flame – Resistant Materials Used in Camping Tentage	CPAI-84	1 Sample	Must meet the requirement of the CPAI-84.	
ANALYTICAL				
*Lead In Scrapable Surface Coating	CPSC-CH-E1003-09	1 Sample	≤ 90 ppm (0.009% by weight) (CPSA – 16 CFR 1303)	
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	

Protocol Version	Description of Change	Revised by / Date	Approved by / Date
415 – 0	Initial Release	Simon Leung Oct 25, 2004	Roger Mayerson Oct 28, 2004
415 – 1	Update ASTM Fabric Strength Test Method and CPAI Warning and Revise Breaking Force	Simon Leung Dec 20, 2004	Roger Mayerson Dec 20, 2004
415 – A	Added 19 CFR 134. Added Instruction Manual/Assembly Instruction. Deleted Squeeze & Shear Point Requirement. Added Colorfastness to Light (Hardware) Test. Added Cross-cut Adhesion Test. Modified Effects of Extreme Temperature Test. Revised test method of Flammability to CPAI-84. Price Adjustment. Changed protocol number from 415-2 to 415-A, price adjustment Changed test method for yard structure (D1059), Defects (D3990), Evenness of Color (Visual Check) Added Thread Count	Simon Leung April 1, 2010	Ro Jain April 1, 2010
415 – B	1. Updated the CPAI-84 Warning Label. 2. Updated the Heading for Loading Test on Plant Stand to Ancillary Fixtures. 3. Changed the Test Method for Lead in Scrapable Surface Coating from ASTM to CPSC. Changed the Permissible Limit to ≤ 90 ppm.	Simon Leung September 15, 2011	Ro Jain September 15, 2011
415- C	Correct the In house method number of Breaking Force	John Wong Apr 15, 2013	Ro Jain May 27, 2013
415- D	Added Tech Pack Verification	Jeetendra Shelatkar Feb 4, 2014	Ro Jain Mar 7, 2014
415- E	Updated lead and CF to Light Fading (Fabric) test pricing	Candy Chan Jul 30, 2014	Jeetendra Shelatkar Aug. 4, 2014
415- F	Renamed all in-house methods	Birkoff Chen Sep 4, 2014	Jeetendra Shelatkar Oct 27, 2014
415-G	Updated AI & Tech pack testing results/rating	Elizabeth Armstrong March 14, 2016	Jeetendra Shelatkar March 14, 2016
415-H	Updated test methods for CF to light and resistance to corrosion	Elizabeth Armstrong May 11, 2016	Elizabeth Armstrong May 11, 2016
415-I	updated the cross strength & top stop strength tests to ASTM D 2061.	Elizabeth Armstrong Aug 14, 2018	Elizabeth Armstrong Aug 14, 2018
415-J	Added seam slippage testing	Elizabeth Armstrong Aug 29, 2018	Elizabeth Armstrong Aug 29, 2018

415-K	Added Adult Tracking Label & Import Permit requirements	Jackie Deppisch April 24, 2019	Jackie Deppisch April 24, 2019
415-L	Removed "data only" from the adult tracking label, removed "not provided from tech pack review	Elizabeth Armstrong June 11, 2020	Elizabeth Armstrong June 11, 2020
415-M	Added PFAS Test Line	Kevin Makocy March 18, 2022	Kevin Makocy March 18, 2022