

**PROTOCOL # 409 - M**

**PLANT STAND/HANGING PLANT FIXTURE**

Performance Test	Test Method	Samples	Requirement	Rating (Section or exec. Summary which failed items can be referenced)
<b>LABELING</b>				
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)	
Instructional Literature/ Assembly Instruction (Needs to be provided – Lab HOLD if not provided)	Visual Check	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
Maximum Weight Capacity	Visual Check	All Samples	Shall be displayed on the product conspicuously. Record data.	
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 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 #	
<b>PHYSICAL CHARACTERISTICS</b>				
Overall Dimension (LXWXH)	Std. Measure (in/cm)	3 Samples	Max. +5% / -0% of claimed dimension. Record actual data if there is no claim.	
Overall Weight	Std. Measure (lb/kg)	3 Samples	Max. +5% / -0% of claimed dimension. Record actual data if there is no claim.	
<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	
<b>PERFORMANCE</b>				
Flammability Of Solid	16 CFR 1500.44	1 Sample	Burn rate<0.17"/sec.	
Distributed Load Capacity Test	ANSI/SOHO S6.5 Section 5.2 (Mod.)	1 Sample	Max. 1/4 In. deformation. When each shelf is loaded to the max per the manufacturers recommended use instructions. If no claims are provided the test load shall be 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) Upon completion of the testing the product shall function as intended and show no signs of damage. Modification=Acceptance criteria added	
Concentrated Top Loading Test	ANSI/SOHO S6.5 Section 5.3 (Mod.)	1 Sample	No structural failure or max. 1/2 In. deformation when the maximum load, per the manufacturer's recommended use instructions, is applied to the top loading area on a 12 in. disc 1 inch from the edge; if no claim is provided a 50-lb test load is placed on 12 in. disc 1 in. from the edge. Modification= Load applied changed	
Loading Capacity for Hanging Mechanisms (if applicable)	Actual Use	1 Sample	Shall withstand 2 times the maximum specified load evenly distributed over the area for 1 hour with no noticeable deformation. If no load is specified a 10 lb. load shall be hung from each hanging mechanism. Upon completion of the testing the product shall function as intended and show no signs of damage.	
Cycle Test/Test for Buttons, Switches, and/or Moving Components	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.	
Moisture Content – Solid Wood Only (if applicable)	Oven Dry Method	1 Sample	Shall be between 6-10%	
Stability	ANSI/SOHO S6.5 Section 4.2 (Mod.)	1 Sample	For surface top of 2 sq. ft or more – must not have any one leg lift off the floor when 50 lbs. test load is applied 1 in. from the edge of 12 In. disc  For surface top of less than 2 sq. ft – must not have any one leg lift off the floor when 50 lbs. test load is applied 1 in. from the edge of 6 In. disc Modification= Load applied changed	

Vertical Force Stability	ANSI SOHO 6.5 clause 4.7 (Mod.)	1 Sample	Shall not tip over when 50-lb. test load is suspended 5 in. in front of the outmost edge of the most forward protruding shelf or top. Modification= Scope expanded	
Horizontal Force Stability	ANSI SOHO 6.5 clause 4.8 (Mod.)	1 Sample	Shall not tip over as the result of 40-lb. horizontal force application or prior to reaching 10-degree tilt angle, whichever occurs first. Modification= Scope expanded	
Colorfastness To Light	AATCC 16.3	1 Sample	Min. Class 3.5. Report actual data at 20/40/60 hrs. Note: Rating by Grey Scale may not be suitable for certain furniture design e. g. natural stone. Under this circumstance, visual comparison of any color change against the control is acceptable.	
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. Modification= Scope expanded	
#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	Provide Verified
Ease of Cleaning (for chalkboard) (if applicable)	Actual Use	1 Sample	Boards with purpose of writing on shall be easy to wipe off the marks by chalks with provided or appropriate eraser.	
<b>ANALYTICAL</b>				
*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	

<b>Protocol Version</b>	<b>Description of Change</b>	<b>Revised by / Date</b>	<b>Approved by / Date</b>
409 – 0	Initial Release	CY Chan Feb 10, 2004	Roger Mayerson Mar 08, 2004
409 – 1	Modified Concentrated Top Loading and Stability tests	Simon Leung Oct 08, 2004	Roger Mayerson Oct 15, 2004
409 – A	Added 19 CFR 134, Instructional Literature/Assembly Instruction and Maximum Weight Capacity labeling. Overall Dimension And Weight Measurement, Flammability of Solid, Colorfastness to Light,	Simon Leung April 1, 2010	Ro Jain April 1, 2010
409 – B	Changed the Test Method for Lead in Scrapable Surface Coating from ASTM to CPSC.	Simon Leung September 15, 2011	Ro Jain September 15, 2011
409- C	Updated sample size	John Wong Mar 26, 2013	Ro Jain Apr 15, 2013
409- D	Added Tech Pack Verification	Jeetendra Shelatkar Feb 4, 2014	Ro Jain Mar 7, 2014
409- E	Updated lead content test pricing	Candy Chan Jul 30, 2014	Jeetendra Shelatkar Aug. 4, 2014
409- F	Renamed all in-house methods	Birkoff Chen Sep 4, 2014	Jeetendra Shelatkar Oct 27, 2014
409-G	Updated AI & Tech pack testing results/rating	Elizabeth Armstrong March 14, 2016	Jeetendra Shelatkar March 14, 2016
409-H	Updated test methods for CF to light and Resistance to corrosion	Elizabeth Armstrong May 11, 2016	Elizabeth Armstrong May 11, 2016
409-I	Added Import Permit Req & adult tracking label	Elizabeth Armstrong April 22, 2019	Elizabeth Armstrong April 22, 2019
409-J	Updated product maximums for distributed load capacity and concentrated top loading capacity. Added loading capacity for hanging mechanisms, cycle test and moisture content test. Added ease of cleaning for chalkboard test.	Charlene Swanson August 2019	Charlene Swanson August 2019
409-K	Added vertical force and horizontal force stability testing to the protocol	Elizabeth Armstrong Oct. 31, 2019	Elizabeth Armstrong Oct 31, 2019
409-L	Removed “data only” from adult tracking label & “not provided” from tech pack verification	Elizabeth Armstrong June 11, 2020	Elizabeth Armstrong June 11, 2020
409-M	Added PFAS Test Line	Kevin Makocy March 18, 2022	Kevin Makocy March 18, 2022