



ANSI/KCMA A161.1

Certificate Number: 24089
Issue Date: September 16, 2024
Expiration Date: August 31, 2025
Supersedes Certificate No.: 23093

LISTING
CERTIFICATE

THIS CERTIFIES THAT

Astera, Inc.

Atlanta, GA

is a current participant in the Kitchen Cabinet Manufacturers Association Certification Program and is manufacturing the following lines of kitchen cabinets and/or bathroom vanity cabinets in conformance with American National Standard ANSI/KCMA A161.1-2022, *Performance and Construction Standard for Kitchen and Vanity Cabinets*:

Framed Cabinets with Shaker Doors
Frameless Cabinets with Thermofoil and Melamine Doors

These cabinet lines are listed in the Kitchen Cabinet Manufacturers Association Directory of Certified Cabinet Manufacturers. This manufacturer is authorized to apply KCMA Certification Seals to the kitchen and bath cabinet lines listed above. Flat pack (unassembled) cabinets, if sold by this manufacturer, are not certified.

This certificate may be updated at any time and will expire on the date listed above. This certificate may also be canceled for non-conformity with the requirements of the Certification Program or upon voluntary withdrawal from the program by the manufacturer.

A handwritten signature in black ink, appearing to read "Charles P. Arnold".

Charles P. Arnold
Vice President Standards & Certification

This certificate is current as of the issue date
Current listing information is at www.kcma.org



KITCHEN CABINET
MANUFACTURERS ASSOCIATION*

September 16, 2024

Mr. Philip Young
Asteria, Inc.
4261 Communications Dr.
Norcross, GA 30093

Re: ANSI/KCMA A161.1 Certification

Dear Mr. Young:

This letter is to inform you the cabinets, submitted for testing, meet the requirements of ANSI/KCMA A161, *Performance & Construction Standard for Kitchen and Vanity Cabinets*. Attached is the test report.

Also attached is a new Listing Certificate 24089. All of the lines to which you may currently apply the certification seal, indicating conformance to ANSI/KCMA A161.1, are listed on the new certificate. The certificate has an expiration date of August 31, 2025. Additional certificates will be issued to add or remove lines during the validation period. However, the original expiration date can only be advanced upon successfully passing the next annual testing.

If you have questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in dark ink, appearing to read "Chuck Arnold".

Chuck Arnold
Vice President Standards & Certification



INSPECTION AND TEST REPORT FOR CABINETS TO DETERMINE COMPLIANCE WITH ANSI/KCMA A161.1-2022

Laboratory Name: **TTL, Inc.**
 Laboratory Personnel: **Frank Upchurch**
 Date: **9/13/2024** Lab Ref. No. **4078** Retest of Ref. No. **4110**
 Cabinet Manufacturer: **Astera, Inc., 4261 Communications Drive, Norcross, GA 30093**
 Name of Cabinet: **Framed with Painted Shaker Doors**
 Type of Test: **Retest**
The tested cabinet complies with ANSI/KCMA A161.1-2022

General Information and Initial Inspection

Date Cabinet Received: **September 9, 2024**
 Condition of Cabinet when Unpacked: **Good**
 ANS Label on Not used
 Date Testing Started **September 11, 2024** Completed **September 13, 2024**

If ready to assemble cabinet:

Wall unit pieces complete	N/A
Base unit pieces complete	N/A
Assembly instructions complete	N/A

Inspection and Test Results

<u>2.0 General Construction Requirements</u>	<u>Results</u>
2.1 Cabinets fully enclosed	
2.2 Equipment cabinets have access panel	
2.3 Toe space minimum 51mm (2") deep and 76mm (3")high	
2.4 Utility cabinets same as base and wall cabinets	
2.5 Doors and Drawers:	
Properly aligned with cabinet	
Close without excessive binding or looseness	
Have means of effective functioning	
2.6 Cabinet Construction	
2.6.1 All materials of sufficient thickness for rigidity	
2.6.2 Face frames provide rigid construction	
2.6.3 Frameless cabinet components provide rigid construction	
2.6.4 Corner or linear bracing where necessary	
2.7 Metal cabinets are rust resistant with edges and surfaces free of sharp edges	
2.8 Moisture content of solid and composite wood materials is less than 10%	
2.9 Exposed construction joints meet tolerance shown in drawings 2.9A, 2.9B, 2.9C, 2.9D, and 2.9E	Pass



Lab No.: 4078

Date: September 13, 2024

Manufacturer: Astera, Inc., 4261 Communications Drive, Norcross, GA 30093

3.0 General Test Requirements

3.1	Installation instructions included with cabinet	No
3.2	Average room temperature during testing	<u>72 deg. F</u>
	Average relative humidity during testing	<u>50%</u>

4.0 Hardware Letter on file indicating finish compliance with current version of ANSI A156.9 No

5.0 Structural Tests for Cabinets

5.1	Static Loading of Shelves and Bottoms	Deflection (inches)		
	Unit	Allowable	Actual	
	Wall - top shelf			<u> </u>
	Wall - middle shelf			<u> </u>
	Wall - bottom			<u> </u>
	Base - shelf			<u> </u>
	Base- bottom			<u> </u>
5.2	Static Loading for Wall Mounted Cabinets	Load (pounds)		
	Mounted Wall Cabinet	Required <u> </u>	Actual <u> </u>	
	Mounted Base Cabinet	Required <u> </u>	Actual <u> </u>	
5.3	Base Front Joint Loading	Required <u> 250 </u>	Actual <u> 250 </u>	<u>Pass</u>
5.4	Impact on Shelves, Cabinet Bottoms, and Drawer Bottoms			<u> </u>
5.5	Impact on Base Cabinet Front and Door			<u> </u>

6.0 Door Operating Tests

6.1	Door Racking and Hinge Set	Set or Deflection (inches)		
	Amount of set	Allowable <u> </u>	Actual <u> </u>	
	Hinges, cabinet, and door not visibly damaged			<u> </u>
	Connections not loose			<u> </u>
6.2	Door-Holding Device and Hinge Operation	Sag or Deflection (inches)		
	Door and holding device operable	Allowable <u> </u>	Actual <u> </u>	
	Amount of sag of door	<u> </u>	<u> </u>	<u> </u>
	Door shape same as before test			<u> </u>
	Hinges not visibly damaged and connections not loose			<u> </u>
	hinge type <u> </u> soft close <u> </u> regular			<u> </u>

7.0 Drawer Operation Tests

7.1	Drawer Operation			
	Drawer operable at end of test			<u> </u>
	No failure of drawer assembly or operating system			<u> </u>
	No operation interference from drawer bottom deflection			<u> </u>
7.2	Drawer-Closing Impact			
	No looseness or attachment failure in any part of the drawer front assembly			<u> </u>



Lab No.: 4078 Date: September 13, 2024
 Manufacturer: Astera, Inc., 4261 Communications Drive, Norcross, GA 30093

8.0 Finish Specifications

8.1 Appearance - Exterior exposed surfaces

- Free of saw marks and other imperfections
- Exposed surfaces filled and sanded, edge banded, of otherwise finished
- Free of finish defects (runs, orange peel, fatty edges, blushing, etc.)
- Clean and free of scratches and residue
- Touch up colors match surrounding areas
- Free of printing caused by packing material
- Nails and staples set and holes filled

Appearance - Interior exposed surfaces

- Free of saw marks
- Free of poor workmanship
- Exposed surfaces covered or finished

9.0 Finish Tests

9.2 Shrinkage and Heat Resistance

- Initial examination _____
- 14 day reexamination _____

9.3 Hot and Cold Check Resistance

- Initial examination _____
- 14 day reexamination _____

9.4 Chemical Resistance (P=Pass, F=Fail)

Chemical	Door Front		Drawer Front		Front Frame		End Panel	
	Initial	14-day	Initial	14-day	Initial	14-day	Initial	14-day
Vinegar								
Lemon Juice								
Orange Juice								
Grape Juice								
Catsup								
Coffee								
Olive Oil								
Alcohol								
Detergent/Water								
Mustard								

Final chemical results

9.5 Detergent and Water Resistance

- Test Duration _____ 4 hr _____ 24 hr
- Initial examination _____
- 14 day reexamination _____

9.6 Metal Cabinet Rust Resistance

- No blistering of test unit
- Rust creepage from edge of scratches does not exceed 1/16 inch

9.7 Water Holdout of Interior Surfaces

- Initial examination _____
- 14 day reexamination _____

Kitchen Cabinet Manufacturers Association
1768 Business Center Dr., Suite 390
Reston, VA 20190
Phone (703)264-1690



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Picture of Cabinets



Explanation of Failures

_____ If checked at left, see Appendix A for comments on 9.4 and/or 9.5.