Kitchen Cabinet Manufacturers Association
1899 Preston White Drive
Reston, VA 20191-5435
Phone (703)264-1690

INSPECTION AND TEST REPORT FOR CABINETS TO DETERMINE COMPLIANCE WITH ANSI/KCMA A161.1-2000

Laboratory Name: **TTL, Inc.**
Laboratory Personnel: **Frank Upchurch**
Date: **August 2, 2010** Lab Ref. No. **1112** Retest of Ref. No. **N/A**
Cabinet Manufacturer: **Tru-Wood Cabinets, Inc., 41778 Highway 77N, Ashland, AL 36257**
Name of Cabinet: **Olon Raised Panel**
Type of Test: **Special**

The tested cabinet complies with ANSI/KCMA A161.1-2000

General Information and Initial Inspection

Date Cabinet Received: **July 5, 2010**
Condition of Cabinet when Unpacked: **Good**
ANS Label on Not Used
Date Testing Started **July 25, 2010** Completed **August 2, 2010**

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

		Results
2.0	*General Construction Requirements*	
2.1	Cabinets fully enclosed	
2.2	Equipment cabinet has 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:	
	Properly aligned with cabinet	
	Close without excessive binding	
	Have means of closure	
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	
2.8	Moisture content of wooden parts less than 10%	
2.9	Exposed construction joints meet tolerance shown in drawings 2.9A, 2.9B, 2.9C, and 2.9D	

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3.0 *General Test Requirements*

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

4.0 *Hardware* Letter on file indicating finish compliance with ANSI A156.9-1994 — No

5.0 *Structural Tests for Cabinets*

5.1 Static Loading of Shelves and Bottoms

Unit	Deflection (inches) Allowable	Actual
Wall - top shelf		
Wall - middle shelf		
Wall - bottom		
Base - shelf		
Base- bottom		

5.2 Static Loading for Wall Cabinet — Load (pounds) Required 500 Actual _____

5.3 Base Front Joint Loading

5.4 Impact on Shelves, Cabinet and Drawer Bottoms

5.5 Impact on Base Cabinet Front and Door

6.0 *Door Operating Tests*

6.1 Door Racking and Hinge Set — Set or Deflection (inches)

	Allowable	Actual
Amount of set	0.065	
Hinges not visibly damaged		
Connections not loose		

6.2 Door-Holding Device and Hinge Operation — Sag or Deflection (inches)

	Allowable	Actual
Door and holding device operable		
Amount of sag of door	0.065	
Hinges not visibly damaged		
Connections not loose		

7.0 *Drawer Operation Tests*

7.1 Drawer Operation

- Drawer operable at end of test
- No failure of drawer assembly or operating assembly
- No operation interference - drawer bottom deflection

7.2 Drawer-Closing Impact

- No looseness or damage to drawer front assembly that impairs operation of drawer

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8.0 *Finish Specifications*

8.2 Appearance - Exterior exposed surfaces

Free of saw marks and other imperfections	
Exposed surfaces filled, sanded, edge banded, of otherwise finished	
Free of finish defects (runs, orange peel, fatty edges, blushing, etc.)	
Clean - free of excessive 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*

9.1 Shrinkage and Heat Resistance

Initial examination	Pass	
14 day reexamination		Pass

9.2 Hot and Cold Check Resistance

Initial examination	Pass	
14 day reexamination		Pass

9.3 Chemical tests (P=Pass, F=Fail)

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

Final chemical results Pass

9.4 Detergent and Water Resistance

Initial examination	Pass	
14 day reexamination		Pass

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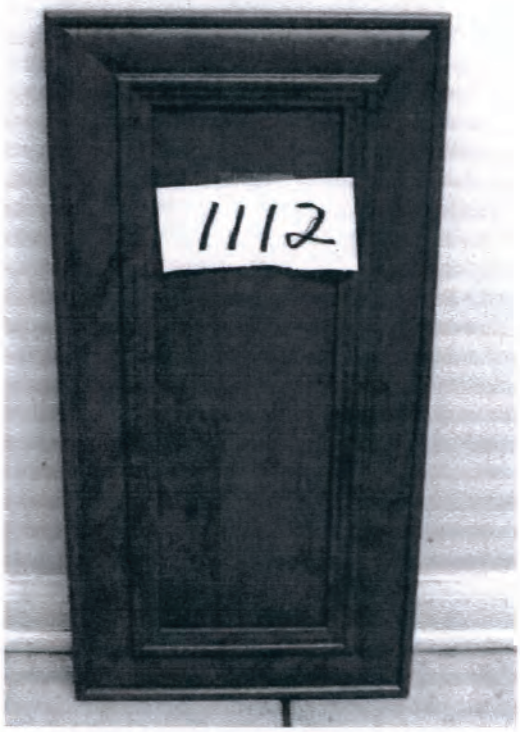
Picture of Cabinets



Explanation of Failures

_____ If checked at left, see Appendix A for comments on 9.3 and/or 9.4.