



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

2.0 General Construction Requirements

Results

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
 3.2 Average room temperature during testing
 Average relative humidity during testing

No
 72 deg. F
 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 Deflection (inches)
 Unit 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)
 Door and holding device operable Allowable Actual
 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



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)

Chemical	Door Front		Drawer Front		Front Frame		End Panel	
	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

Kitchen Cabinet Manufacturers Association

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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.