

INTEGRITY TESTING LABORATORIES,

a division of ErgoLabs, Inc.

CLIENT:

Hardware Resources
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Bossier City, LA 71111
Attention: Grant Knuckolls

LABORATORY NO: F0912313-1
DATE: January 5, 2010
CLIENT P.O. NO.: Vbl, G. Knuckolls
STANDARD: ANSI/BHMA A156.9-03

SAMPLE: 18" UNDERMOUNT DRAWER SLIDE, MODEL USE18,
TESTED WITH A 24 INCH WIDE TEST DRAWER

ABSTRACT

This report serves to document the testing of the above sample to all applicable drawer test paragraphs of ANSI/BHMA 156.9-2003, American national standards for cabinet hardware. Test procedures include a drawer slide stop test, drawer removal and load placement test, drawer cycle testing and edge load application. The remainder of this report will show how the drawer slides submitted for testing **met the requirements needed for conformance** to the standard.

PROCEDURES

All procedures were performed with strict adherence to the ANSI/BHMA A156.9 standard with one exception. The drawer test load was increased to 100 lbs, instead of the 50 lb. Minimum requirement. All procedures were performed with this test load.

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This report applies only to the sample or samples submitted for testing and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, or these laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed, and upon that condition that it not be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these laboratories.

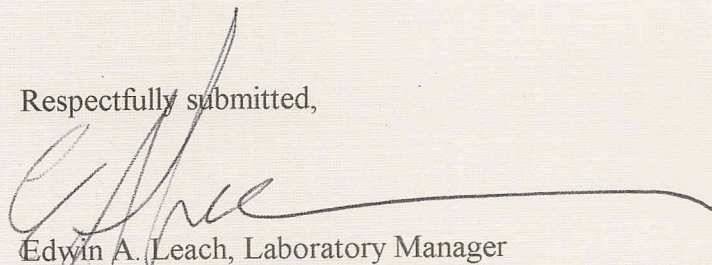
RESULTS

LABORATORY DETERMINATION	LABORATORY OBSERVATION	ANSI/BHMA A156.9-03 GRADE 1 REQUIREMENT	TEST RESULT
Drawer slide stop test BHMA section 4.11.2	The stop position provided 65 lbs., or ten times the operating force.	The stop position shall provide at least ten times the normal drawer operating force.	PASS
Drawer removal and load placement BHMA section 4.11.3	The slides permitted complete drawer removal. Placement of loads did not cause removal or partial removal from the drawer's suspended position when operated.	Drawer slides shall permit complete drawer removal. Load placement shall not cause the drawer to be removed or partially removed from its suspended position during drawer operation.	PASS
Drawer cycle life test BHMA section 4.11.4	Drawer operated for a total of 50,000 cycles with a 100 lb. test load. Drawer opening force = 6.5 lbs. after the performance of the test.	Drawer shall be cycled 2/3 of the total travel for 50,000 cycles with a 50 lb. test load. Drawer shall be completely operable after the performance of the test.	PASS
Drawer edge load test BHMA section 4.11.5	There was no structural breakage or loss of serviceability of the slide suspensions with an additional 75 lb. edge load applied	There shall be no failure of the slides with an additional 75 lb. mass applied to the drawer edge in the half-extended position.	PASS

CONCLUSION

During the execution of the testing program, the model USE18 drawer slide suspension performed well with no structural breakage or failure with the above load. This sample submitted for testing met all of the drawer slide test requirements and **conforms** to ANSI/BHMA 156.9-2003 for **Grade 1** products.

Respectfully submitted,



Edwin A. Leach, Laboratory Manager

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5/8" Hardwood Drawer Side Material

- When using HR undermount slides, OVERALL WIDTH = DRAWER OPENING MINUS 3/8".
- When using another manufacturer's slide, follow the manufacturer's slide specifications using 5/8" drawer side material to calculate Overall Width.
- When using HR undermount slides, the OVERALL LENGTH should equal the corresponding slide length (example: if using the USE21 the drawer depth would be 21).
- When using another manufacturer's slide, follow the manufacturer's slide specifications using 5/8" drawer side material to calculate Overall Length.

1/2" Plywood Drawer Side Material

- When using HR undermount slides, OVERALL WIDTH = DRAWER OPENING MINUS 5/8".
- When using another manufacturer's slide, follow the manufacturer's slide specifications using 1/2" drawer side material to calculate Overall Width.
- When using HR undermount slides, the OVERALL LENGTH of the box is the corresponding slide length MINUS 1/8" (example: 20-7/8" on a 21" slide).
- When using another manufacturer's slide, follow the manufacturer's slide specifications using 1/2" drawer side material to calculate Overall Length.

Drawer Box & Rollout Heights:				High-Back Rollout Heights:	
2.0"	3.5"	6.0"	9.0"	6.0"	9.0"
2.5"	4.0"	7.0"	9.5"	7.0"	9.5"
3.0"	5.0"	8.0"	10.0"	8.0"	10.0"

Due to the customized nature of drawer boxes Hardware Resources is unable to accept returns for drawer box orders. Changes to or cancellation of an order already in production may not be possible. Please contact our Customer Service Department at 1-800-463-0660 to check the status of your order. Thank you.