INTEGRITY TESTING LABORATORIES

CLIENT:

Hardware Resources
4319 Marlena Street
Bossier City, LA 71111
Attention: Travis McElveen

LABORATORY NO: F16050201-1
DATE: June 3, 2016
CLIENT P.O. NO.: Vbl, T. McElveen
STANDARD: ANSI/BHMA A156.9-10

SAMPLE: 21" UNDERMOUNT ROLLER BEARING DRAWER SLIDE, USE58-300-21, 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 156.9-2010, American national standards for cabinet hardware. Test procedures include a drawer slide stop test, drawer removal and load placement test, drawer cycle testing and static 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 TWO exceptions. The drawer test load was increased to **100 lbs**, instead of the 50 lb. minimum requirement AND the cycle test was extended to 75,000 cycles from the required 50,000. All procedures were performed with the reported test load.

RESULTS

LABORATORY DETERMINATION	LABORATORY OBSERVATION	ANSI/BHMA A156.9-10 GRADE 1 REQUIREMENT	TEST RESULT
Drawer removal and load placement BHMA section 4.11.2	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 slide stop test BHMA section 4.11.4.1	The stop position provided 75 lbs., or ten times the operating force.	The stop position shall provide at least ten times the normal drawer operating force.	**PASS**
Drawer cycle life test BHMA section 4.11.4.2	Drawer operated for a total of **75,000** cycles with a **100 lb.** test load.	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 4.11.4.3	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 **USE58-300-21** drawer slide suspension performed well with no structural breakage or failure with the above load. This sample submitted for testing **exceeded all of the drawer slide test requirements and conforms to ANSI/BHMA 156.9-2010 for Grade 1** products.

Respectfully submitted,

Edwin A. Leach, Laboratory Director,
INTEGRITY TESTING LABORATORIES