

INTEGRITY TESTING LABORATORIES



CLIENT:

Hardware Resources
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Attention: Mathew Barry

LABORATORY NO: F2509041-6
DATE: September 30, 2025
CLIENT P.O. email
STANDARDS: ANSI/BHMA A156.9-20
ANSI/KCMA A161.1-22

**SAMPLE: 18" UNDERMOUNT DRAWER SLIDES, PN USMAX2S-18
TESTED WITH A 24 INCH WIDE TEST DRAWER**

ABSTRACT

This report serves to document the testing of the above sample to specific applicable drawer test paragraphs of ANSI/BHMA A156.9-20, and ANSI/KCMA A161.1-22. The sample was tested to exceed all requirements of the above standards. The remainder of this report will show how the drawer slides submitted for testing **met the requirements needed for conformance** to these standards.

PROCEDURES

A rigid test frame was assembled in order to simulate the interior of a cabinet, and provide a means to assemble the drawer and slide suspension. The drawer slides were installed and assembled with the test drawer and frame in accordance with the manufacturer's instructions. Each test was performed in accordance with the respective test paragraph for each standard. **A 120 lb drawer test load** was utilized for all testing procedures, meeting or **exceeding all minimum requirements**.

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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. Samples were submitted as received, directly by the client along with all descriptors, names, models, or ID, no sampling procedures were performed by these laboratories. Client provided samples can affect reported results. No external service providers were utilized for the reported determinations. 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. Where statements of conformity are made in testing reports, the following decision rules are applied: **PASS** – Results within limits/specifications – **FAIL** – Results exceed limits/specifications. All laboratory procedures were performed in compliance with ISO/IEC 17025-2017.

OBSERVATIONS AND RESULTS

ANSI/BHMA A156.9-20

LABORATORY DETERMINATION	LABORATORY OBSERVATION	ANSI/BHMA A156.9-20 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 58 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 50,000 cycles with a 120 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

ANSI/KCMA A161.1-22

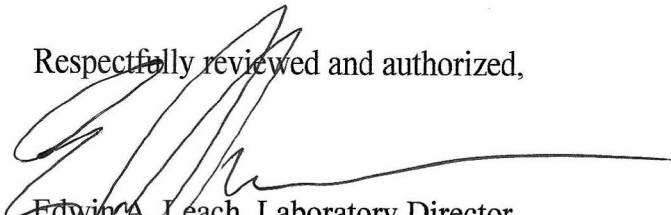
LABORATORY DETERMINATION	LABORATORY OBSERVATION	ANSI/KCMA A161.1-22 REQUIREMENT	TEST RESULT
Drawer Operating Life Cycle Test Section 7.1	There was no structural breakage or loss of serviceability after the performance of 50,000 cycles with a 120 lb test load.	The drawer suspension shall remain completely operable after the performance of 25,000 cycles. The required load for the test drawer size was 55 lbs.	PASS

CONCLUSION

During the execution of the testing program, the **18" USMAX2S-18** 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/KCMA A161.1-22 and ANSI/BHMA 156.9-2020 for Grade 1 products.**



Respectfully reviewed and authorized,


Edwin A. Leach, Laboratory Director,
INTEGRITY TESTING LABORATORIES