INTEGRITY TESTING LABORATORIES

CLIENT:

Pride Industrial LLC
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Attention: Joseph Habbouch

LABORATORY NO: F2502021-1
DATE: February 14, 2025
CLIENT P.O. email
STANDARDS: ANSI/BHMA A156.9-20
ANSI/KCMA A161.1-22

SAMPLE 21" UNDERMOUNT, SOFT/SELF CLOSE DRAWER SLIDES, P/N SYNCRO, 61SF SERIES, TESTED WITH A 24 INCH WIDE DRAWER

ABSTRACT

This report serves to document the testing of the above sample to all applicable drawer test paragraphs of ANSI/BHMA A156.9-2020 and ANSI/KCMA A161.1-22. The sample was tested to **exceed the requirements** of the above standards, by increasing the minimum required drawer test loads to 120lb. 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.

RESULTS
ANSI/BHMA A156.9-2020

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 22 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 **full travel** for a total of **50,000 cycles with a 120 lb.** test load. Drawer opening force = 2.2 lbs.	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 50 lbs.	**PASS**

CONCLUSION

During the execution of the testing program, the **21" SYNCPRO** drawer suspension performed well with no structural breakage or failure with the above load. This sample submitted for testing, met the drawer slide test requirements and **conforms** to ANSI/KCMA A161.1-22, ANSI/BHMA A156.9-2020 for **Grade 1 products.**

Respectfully reviewed and authorized,

Edwin A. Leach, Laboratory Director
INTEGRITY TESTING LABORATORIES