

INTEGRITY TESTING LABORATORIES



PJA
Mechanical Testing
ISO/IEC 17025:2017
Accreditation # 109986

CLIENT:

Wurth Wood Companies
909 Forest Edge Drive
Vernon Hills, IL 60061-3149
Attention: Bob Dour

LABORATORY NO: F2204181-2
DATE: May 23, 2022
CLIENT P.O. Email, B. Dour
STANDARDS: ANSI/BHMA 156.9-20
ANSI/KCMA A161.1-17, ANSI/BIFMA X5.5-21,
DIN EN 15338-10 (for LGA test requirements)

SAMPLE: 22" FULL EXTENSION SOFT CLOSE BALL BEARING DRAWER SLIDES, P/N WURTH PRO 100 SOFT-CLOSE BB SLIDE, 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 156.9-2020, Grade 1HD-100, ANSI/KCMA A161.1-17, ANSI/BIFMA X5.5-21, and DIN EN 15338-10 – LEVEL LEVEL 3, **the testing level requirement for LGA quality listing**. The sample was tested to meet the requirements of all of the above standards, including the **BHMA product grade 1HD-100** classification. 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 **100 lb** drawer test load was utilized for all testing procedures.

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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

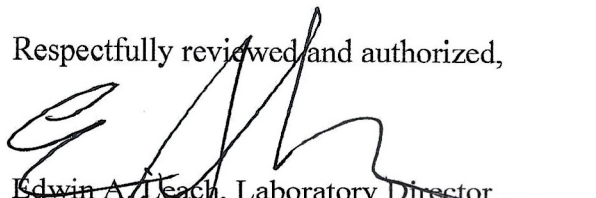
LABORATORY DETERMINATION	LOAD AND CYCLE REQUIREMENTS	LABORATORY OBSERVATION	TEST RESULT
ANSI/BHMA A156.9-20 GRADE, 1HD-100	100 lb test load, 50k cycles, 5X and 15k outstop, Rebound, 100lb static	Sample exceeded requirements by completing 80,000 durability cycles of 50,000 required	PASS
ANSI/BIFMA X5.5-21	60 lb test load, 50k cycles, 5X and 15k outstop, Rebound, 100lb static	Sample exceeded requirements by completing 80,000 durability cycles of 50,000 required with increased drawer loading	PASS
ANSI/KCMA A161-17	55 lb test load, 25k cycles,	Sample exceeded requirements by completing 80,000 durability cycles of 25,000 required with increased drawer loading	PASS
DIN EN 15338 LEVEL 3	100 lb test load, 80k cycles, static loadings, dynamic, and deflection	Sample met requirements by completing 80,000 durability cycles, all static, dynamic, and deflection requirements.	PASS

CONCLUSION

During the execution of the testing program, the model **22" WURTH PRO100 SOFT-CLOSE BB SLIDE** 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/BIFMA X5.5-21, ANSI/KCMA A161.1-17, ANSI/BHMA A156.9-20 for **Grade 1HD-100** products, and DIN EN 15338 LEVEL 3, **the testing level requirement for LGA quality listing.**



Respectfully reviewed and authorized,


 Edwin A. Leach, Laboratory Director
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