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CLIENT:

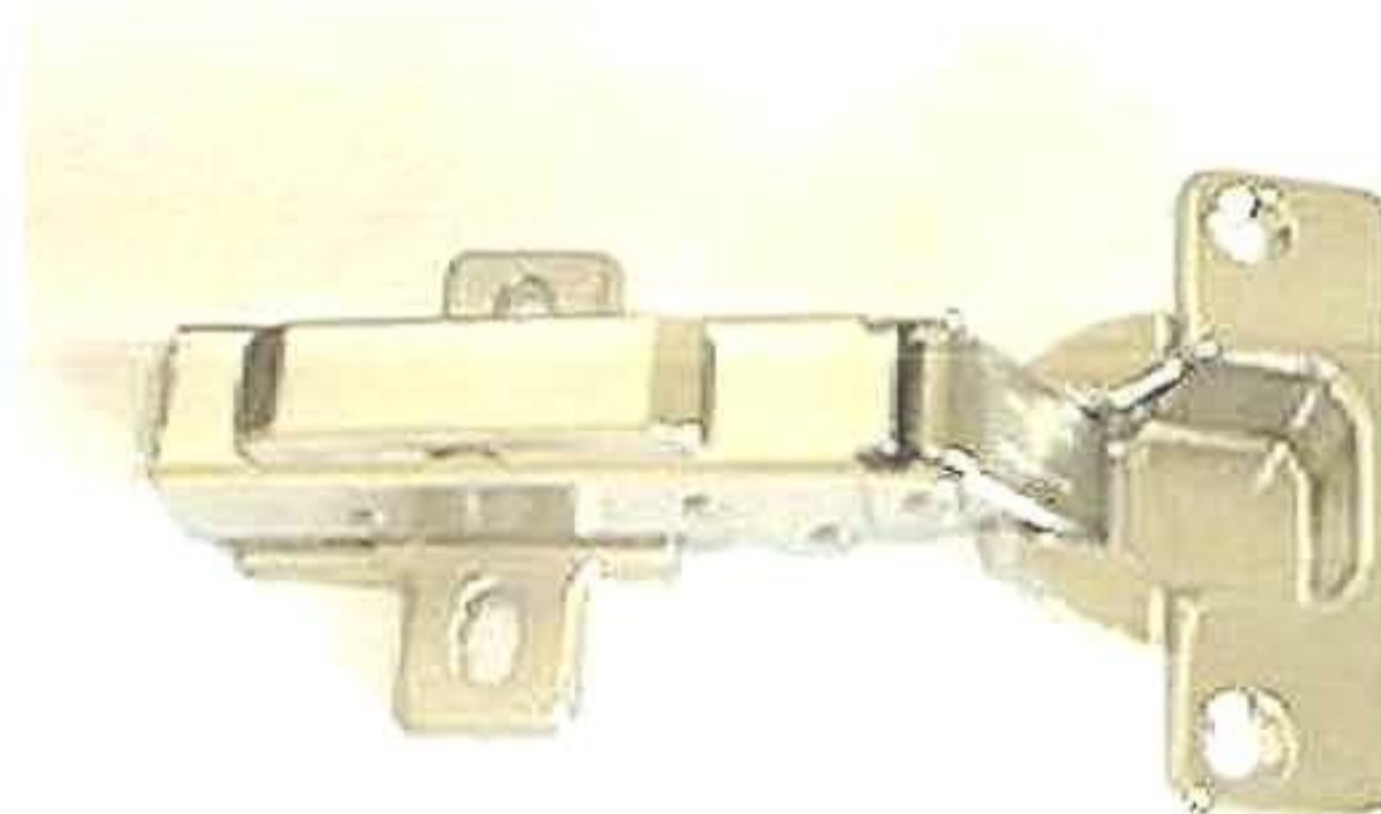
Ruca USA Corporation
1321 East Chief Privado
Ontario, CA 91761
Attention: Mario Pascual

LABORATORY NO: F0509083-1
DATE: October 11, 2005
CLIENT P.O. NO.: Verbal
STANDARD: ANSI/BHMA 156.9-03

SAMPLE: EUROPEAN SELF CLOSING SILENT PNEUMATIC HINGE,
P/N E600A-Z63, FULL OVERLAY

ABSTRACT

This report serves to document the testing of the above sample to all applicable hinge test paragraphs of ANSI/BHMA A156.9-2003, American national standards for cabinet hardware. Test procedures include a hinge permanent set test, hinge operating life test, closing force test, self closing test, and an over opening test. The remainder of this report will show how the hinge samples submitted for testing exceeded all of the grade 2 requirements needed for conformance to the standard.



Silent Self Closing Hinge, P/N E600A-Z63

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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.

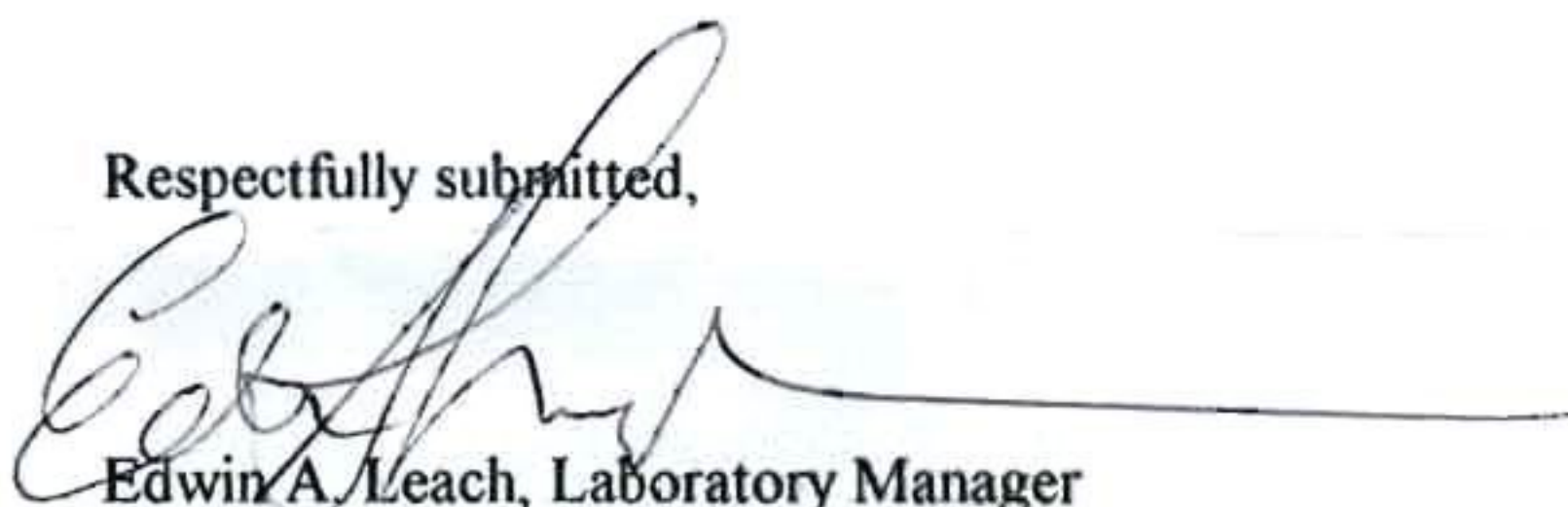
OBSERVATIONS AND RESULTS

LABORATORY DETERMINATION	LABORATORY OBSERVATION	ANSI/BHMA A156.9-03 GRADE 2 REQUIREMENT	TEST RESULT
Hinge Permanent Set Test BHMA Section 4.1	Vertical Deflection = 0.021"	0.060" maximum vertical deflection after 75 lb. test load.	PASS
Hinge Operating Life Cycle Test BHMA Section 4.2	Vertical Deflection = 0.005"	0.030" maximum vertical deflection after 50,000 cycles with 12 lb. test load.	PASS
Hinge Self Closing Force Test BHMA Section 4.4.2	Closing Force = 6 oz.	8 oz. minimum closing force.	PASS
Hinge Self Closing Test BHMA Section 4.4.3	Door closed and remained closed from 10°.	Hinges shall close door from 10° after 50,000 cycles.	PASS
Hinge Over Opening Test BHMA Section 4.4.4	Door closed and remained closed from 10°.	Hinges shall close door from 10° after 17-lb. test force.	PASS

CONCLUSION

During the execution of the testing program, the model E600A-Z63 hinge performed well with no structural breakage or failure. This sample submitted for testing exceeded all of the hinge test requirements and **conforms** to ANSI/BHMA 156.9-2003 for Grade 2 products.

Respectfully submitted,



Edwin A. Leach, Laboratory Manager

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