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TEST REPORT — EAR-CONTROLLED DATA

Date: 7/15/2013
 P.O. No.: #22
 W/O No.: PER002-13-07-80040-1
 Date Received: 7/9/2013

Sample Description: One (1) Lot (6 Pcs.) Bolts

MECHANICAL TESTING PER ASTM F606M

Sample	Ultimate Strength Axial	
	N	MPa
1	94202	1120
2	93658	1110
3	94212	1120

The samples fractured in the threads.

Rockwell Hardness

Test Method	ASTM E18
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Specimen	Core Hardness Value	Hardness Scale
4	36	HRC
5	37	HRC
6	37	HRC

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The above testing was performed in accordance with the latest revision of the applicable commercial, military and/or International test method unless otherwise noted. The above services were performed in accordance with Element Materials Technology Cleveland's Quality Manual, Edition 1, Revision 5, dated August 16, 2012. Information and statements in this report are derived from material, information and/or specifications furnished by the client and exclude any expressed or implied warranties as to the fitness of the material tested or analyzed for any particular purpose or use. This report is the confidential property of our client and may not be used for advertising purposes. This report shall not be reproduced except in full, without written approval of this laboratory. The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal Statutes. Sample remnants are held for a minimum of 6 months following issuance of test results, at which point they will be discarded unless notified in writing by the client. This material was not contaminated by mercury or chlorinated solvents during the handling and processing at Element Materials Technology Cleveland.

Lisa Ward
 Quality Administrator