



TEST REPORT

13001 ATHENS AVENUE
CLEVELAND, OHIO 44107
T. 216.521.1800
F. 216.228.4220

3281 WEST COUNTY ROAD ONE
764-NORTH INDIANA 46041-0766
T. 765.654.0477
F. 765.654.0857

DATE: 05-02-06
CERTIFICATION: 148556*1*1

Cust PO: SL11497
Lot Nbr: 517904
Quantity: 7587 Pieces
Mfg Date: 05-02-06

St. Louis Screw & Bolt
PO Box 470037
6900 North Broadway
ST. LOUIS, MO 63147

Part Number: AQA087200
Description: 7/8-9 X 2 A325-3
Finish: PLAIN
THREAD TO HEAD

RAW MATERIAL ANALYSIS

Steel Heat Nbr: CR405900	Steel Grade: A325 TYPE 3 CLASS								
Steel Supplier: Charter Steel									
C	Mn	P	S	Si	Ni	Cr	Mo	Cu	Sn
0.3600	0.9800	0.0160	0.0120	0.2400	0.3300	0.5100	0.0100	0.3200	0.0090
V	Al	N	B						
0.0010	0.0240	0.0080	0.0001						

MECHANICAL PROPERTIES

Wedge Angle: 0	High	Low	Average	Samples
Test Performed	52.0	48.0	49.4	8
Superficial R30N				
Core Hardness, HRC	31.0	28.0	29.4	8

Certification test results include those reported by the following laboratories:
Charter Steel, A2LA, 10-31-07
Lake Erie Products - Pkft Lab, A2LA 0122.02, 05-31-06

Applicable Standards, Specifications, and Sampling Schemes:
THE FOLLOWING STATEMENTS APPLY TO:
ASTM A-325-04b, TYPE 1 and TYPE 3 BOLTS
ASTM A-490-04a, TYPE 1 and TYPE 3 BOLTS
Test Methods are in accordance with ASTM F606-05.
Thread Fit and Dimensional Properties are compliant to ASTM B18.2.6.
These bolts passed inspection for surface discontinuities, per ASTM F788.
These bolts were not produced from heats in which Bismuth, Selenium, Tellurium, or Lead was intentionally added.
These bolts were not exposed to Mercury or any other metal alloy that is liquid at ambient temp during processing or while in our possession.
Material is of U.S. origin, and was melted and manufactured in the U.S.A.

THE FOLLOWING STATEMENTS APPLY TO:
Page: 1 of 2

MECHANICAL FIELD OF TESTING

Lake Erie Products
Gerald E. Simone
Quality Manager