

LAKE ERIE
PRODUCTS

CUSTOM ENGINEERED FASTENERS

Date: 05-02-06

Certification: 148556*1*1

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

TEST REPORT

13001 ATHENS AVENUE
CLEVELAND, OHIO 44107
T. 216.521.1800
F. 216.228.4520

3281 WEST COUNTY ROAD ONE
FRANKFORT, INDIANA 46041-6766
T. 765.654.0477
F. 765.654.0857

Cust PO: SL11497

Lot Nbr: 517904

Quantity: 7587 Pieces

Mfg Date: 05-02-06

Part Number: AQA087200

Description: 7/8-9 X 2 A325-3

Finish: PLAIN

THREAD TO HEAD

Part INFORMATION

Head marking: A325 TYPE 3- BAR 1 DOT SL

Steel Heat Nbr: CR405900

Steel Supplier: Charter Steel

Steel Grade: A325 TYPE 3 CLASS

RAW MATERIAL ANALYSIS

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	B	N						
0.0010	0.0240	0.0080	0.0001						

MECHANICAL PROPERTIES

Wedge Angle: 0				
Test Performed	High	Low	Average	Samples
Superficial R30N	52.0	48.0	49.4	8
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 F789.
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

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CERT #0122-01 / #0122-02
MECHANICAL FIELD OF TESTING

Gerald E. Simone
Quality Manager