

INSPECTION CERTIFICATE

Customer

ASTM A-563
GRADE DH3
HEAVY HEX NUT

Specification

ASTM A-563
GRADE DH3
HEAVY HEX NUT

Size

7/8" - 9 UNC

Lot No.

7B841

Date

AUG. 23, '11

UNYITE, INC.
One Unyite Drive
Peru, Illinois 61354
815-224-2221 — FAX# 815-224-3434

Mechanical properties tested in accordance to ASTM F606/F606M, ASTM A307, ASTM E18

Chemical Composition

(%)

	C	Si	Mn	P	S	Cu	Ni	Cr	Mo
0.24	0.24	0.14	0.044	0.009	0.20	0.20	0.45		

Mechanical Property Inspection

Item	Proof Load	Core stripping	Hardness	After Heat Treatment	Hardness	Absorbed Energy	Heat Treatment
Spec. 80,850 lb			24 - 38 HRC	H8-H8	5 Piece Average After Heat Treatment	1-1/4 in. dia	T: MIN. 800 F
	n	n	27.3 27.2 27.2 27.3				Q: ROBBING Q (W.Q.) T: 1175 F / 45M. (W.C.) Q: Quenching T: Tempering ST: Solution Treatment
Results	Results	Results	27.2	Hardness Treatment After 24 H.O.X. 110 C			
GOOD							

Shape & Dimension

Inspection

ANSI B18.2.2
GOOD

Thread Precision

Inspection

ANSI B1.1
CLASS 2B
GOOD

Appearance

Inspection

Remarks

* DH3 U *

Production Quantity 76,050 pcs.

Material used for the nut was melted and manufactured in the USA. The nut was manufactured in the USA to the above specification.

We hereby certify that the material described has been manufactured and inspected satisfactorily with the requirement of the above specification.

Chief of Quality Assurance Section