PB351

Lok-Mor, Inc.

P.O. Box 151224 * Arlington, Texas 76015
1-800-843-7230
817-477-0232
Fax 817-453-2923

LOCKNUT DEVIATION STATEMENT

WE CERTIFY THAT THE MATERIAL SPECIFIED ON THE ENCLOSED MILL TEST REPORT WAS ALTERED FROM A STANDARD NUT TO A LOCKING NUT BY LOK-MOR, INC. WITHOUT ANY CHANGE OF THE ORIGINAL MECHANICAL PROPERTIES. HOWEVER, SUCH ALTERATION MAY HAVE CHANGED THE DIMENSIONAL OR PHYSICAL CHARACTERISTICS OF THE FASTENER TO MEET YOUR REQUIREMENTS.

THIS AND ALL OTHER LOCKING PROCESSES ARE PERFORMED IN-HOUSE AND SHALL MAINTAIN FULL TRACEABILITY TO THE PRODUCTION MILL.

LOK-MOR, INC.
QUALITY CONTROL

Roderick L. Williams

MIDWEST STRUCTURAL Products
PO # 65351
QTY 80 pcs

INSPECTION CERTIFICATE

Customer	Specification	Size	Lot No.	Date
6032744	ASTM A-563 GRADE DH HEAVY HEX NUT	H.D.G. 1 - 8 UNC 0.024" BLUE DYR	PB351	Sep.23,'09

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

Mechanical properties tested in accordance to ASTM F606/F606M, ASTM A370, ASTM E18

Chemical Composition (%)

Mill Maker	Material Size	Heat No. / Spec.	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	
MCSTEEL	CARBON STEEL	M33599	0.20 0.55 0.45 0	- - 24	MIN. 0.60 0.88	MAX. 0.040 0.017	MAX. 0.050 0.038	- - 0.19	- - 0.07	- - 0.13	- - 0.03	- - -

Mechanical Property Inspection

Item	Proof Load	Cone Stripping	Hardness	Hardness	Absorbed Energy
Spec.	90,900 lbf	- kN • kgf • tbf	24-38 HxC	HxB • HB	J • kgfm • ftlbf
-	n	n	27.4 28.9 27.7 27.8 28.4 28.0		
Results	5 Results GOOD	- Results -		Hardness Treatment After 24 Hrx °F (°C)	

OFFICIAL SEAL
JEAN MARCHERDO
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES 6/24/13
09-24-09

Heat Treatment

Q: FORGING Q (W.Q.)

T: 1202 F/45M. (W.C.

Q: Quenching
T: Tempering
ST: Solution Treatment

Shape & Dimension Inspection	ANSI B18.2.2 GOOD
Thread Precision Inspection	ANSI B1.1 CLASS 2B GOOD
Appearance Inspection	GOOD

Remarks:

" DH U"

Production Quantity
54,301 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

GERDAU MACSTEEL

5591 MORRILL ROAD
JACKSON, MICHIGAN 49201

CERTIFIED MATERIAL TEST REPORT

CUSTOMER ORDER NUMBER	CUSTOMER PART NUMBER	HEAT NUMBER	WORK ORDER NUMBER	DATE
P002945-4	B1045SC12500	M33599	229955 102	9/09/09

REPORT TO
TRACI
UNYTITE, INC.

ONE UNYTITE DRIVE

PERU , IL 61354-9710

SHIP TO
UNYTITE, INC.

ONE UNYTITE DRIVE

PERU , IL 61354

ORDERED

GRADE	SIZE	LENGTH
1045	1 1/4" RND	24' 10 1/2"

CUSTOMER SPECIFICATIONS
SAE 1045; ASTM E381-01; RMS 021 DATED 9/28/06

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Ni	Cr	Mo	Cu	Sn	Al
0.45	0.88	0.017	0.038	0.24	0.07	0.13	0.03	0.19	0.009	0.004

V	Nb
0.056	0.001

GRAIN SIZE SPECIFICATION ASTM E112 FINE GRAIN 5-8

MICROCLEANLINESS SPECIFICATION ASTM E45 METH A

	A		B		C		D	
	T	H	T	H	T	H	T	H
AVERAGE	3.0	0.6	1.6	0.2	0.7	0.1	1.9	0.6

MACROCLEANLINESS SPECIFICATION ASTM E381

	PLATE I			PLATE II
	S	R	C	
FRONT	1	1	1	
FRONT	1	1	1	

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We certify that these data are correct and in compliance with specified requirements.

Gerdau MacSteel Monroe
3000 East Front Street
Monroe, MI 48161

Chris Easter
Quality Assurance Representative

CONTINUED ON PAGE 2

GERDAU MACSTEEL

5591 MORRILL ROAD
JACKSON, MICHIGAN 49201

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CUSTOMER SPECIFICATIONS
SAE 1045; ASTM E381-01; RMS 021 DATED 9/28/06

MIDDLE	1	1	1
MIDDLE	1	1	1
BACK	1	1	1
BACK	1	1	1
AVERAGE	1	1	1

NONE

DECARB SPECIFICATION ASTM E1077

F TOTAL= 0.006

REDUCTION RATIO

RATIO= 29.3 TO 1.0

RESIDUAL MAX SPECIFICATION RMS 021

Ni+Cr = 0.2000

** MATERIAL 100% MELTED AND MANUFACTURED IN THE U.S.A. BY THE ELECTRIC ARC FURNACE AND CONTINUOUS CASTING METHOD. THE PRODUCT HAS NOT BEEN REPAIRED BY WELDING AND THIS MATERIAL HAS NOT BEEN EXPOSED TO MERCURY OR TO ANY OTHER METAL ALLOY THAT IS LIQUID AT AMBIENT TEMPERATURES DURING PROCESSING OR WHILE IN OUR POSSESSION. **

We certify that these data are correct and in compliance with specified requirements.

Gerdau MacSteel Monroe
3000 East Front Street
Monroe, MI 48161

Chris Easter
Quality Assurance Representative

ROGERS BROTHERS INC.

HOT DIP
GALVANIZING

September 23, 2009

Unytite, Inc.
Unytite Quality Department
One Unytite Drive
Peru, IL 61354

To Whom It May Concern:

This is to certify that the hot dip galvanizing of the following material on your Purchase Order number 3013 conforms to specification ASTM A-153. The following sizes and lot numbers comply with the coating, workmanship, finish, and appearance requirements of ASTM F2329 specifications.

10 Containers	5/8"-11 A563 DH HHN	Lot#PB401	6.00 Avg. Mils.
7 Containers	1"-8 A563 DH HHN	Lot#PB351	5.95 Avg. Mils.
3 Containers	1"-8 A563 DH HHN	Lot#PA511	5.90 Avg. Mils.

This certification in no way implies anything other than the quality of our hot dip galvanizing as it pertains to your order.

Yours very truly,

ROGERS BROTHERS INC.
Lorraine P. Shelburne

Lorraine P. Shelburne
Vice President

SUBSCRIBED AND SWORN
BEFORE ME THIS 23RD
DAY OF SEPTEMBER 2009, AD

Judith A Ferolie
NOTARY PUBLIC

OFFICIAL SEAL
JUDITH A FEROLIE
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:01/07/12

ROGERS BROTHERS, INC. 1926 KISHWAUKEE STREET, ROCKFORD, ILLINOIS 61104-5197 PHONE: 815/965-5132 FAX: 815/965-3765
E-MAIL: rogersbros@rworld.com