

**SOLD TO:** FORTACERO S A DE C V  
 BLVD PRESIDENTE CARLOS SALINAS  
 DE GORTARI KM 8 8  
 APODACANL 66600  
 MEXICO

**SHIP TO:** FORTACERO - MEXICO CITY (RAIL)  
 1430 INDUSTRIAL BLVD  
 EAGLE PASS, TX 78852-

**NUCOR**  
 NUCOR CORPORATION  
 NUCOR STEEL TEXAS

**CERTIFIED MILL TEST REPORT**

Ship from:  
 Nucor Steel - Texas  
 8812 Hwy 79 W  
 JEWETT, TX 75846  
 800-527-6445

Date: 20-Aug-2011  
 B.L. Number: 579875  
 Load Number: 190604

QBMS-06 March 9, 2011

Material Safety Data Sheets are available at [www.nucorbar.com](http://www.nucorbar.com) or by contacting your inside sales representative.

HEAT NUM. *	DESCRIPTION	PHYSICAL TESTS					CHEMICAL TESTS												
		YIELD P.S.I.	TENSILE P.S.I.	ELONG % IN 8"	BEND	WT% DEF	C	Ni	Mn	Cr	P	Mo	S	V	Si	Cb	Cu	Sr	C.E.
PO# => JW1110421701	4500080732 Nucor Steel - Texas 8x13.75# Channel 20' 0" A36/A572GR50 ASTM A36/A36M-08 ASTM A572/A572-07 GR 50 TY1	57,600	76,800	22.0%			.11	.84	.012	.029	.21	.38							
		397MPa	530MPa				.20	.19	.056	.002	.012								
		58,800	76,800	22.0%															
		405MPa	530MPa																
PO# => JW1110421801	4500080732 Nucor Steel - Texas 8x13.75# Channel 20' 0" A36/A572GR50 ASTM A36/A36M-08 ASTM A572/A572-07 GR 50 TY1	57,600	76,700	23.0%			.13	.85	.015	.035	.20	.38							
		397MPa	529MPa				.21	.18	.051	.002	.013								
		59,500	78,300	23.0%															
		410MPa	540MPa																
PO# => JW1110647101	4500080732 Nucor Steel - Texas 8x11.5# Channel 40' 0" A36/A572GR50 ASTM A36/A36M-08 ASTM A572/A572-07 GR 50 TY1	57,000	76,600	25.0%			.11	.83	.020	.035	.20	.37							
		393MPa	528MPa				.17	.21	.040	.003	.013								
		57,900	76,500	24.0%															
		399MPa	527MPa																
PO# => JW1110647201	4500080732 Nucor Steel - Texas 8x11.5# Channel 40' 0" A36/A572GR50 ASTM A36/A36M-08 ASTM A572/A572-07 GR 50 TY1	55,700	74,000	23.0%			.11	.82	.013	.032	.18	.34							
		384MPa	510MPa				.14	.14	.037	.002	.013								
		56,800	75,300	25.0%															
		392MPa	519MPa																

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.  
 1. Weld repair has not occurred on this material.  
 2. It was not manufactured in the United States.  
 3. Cobalt, Radium, or Alpha source materials in any form have not been used in the production of this material.

QUALITY ASSURANCE:   
 Nathan Stewart

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N&MG 09 March 9, 2011

HEAT NUM. *	DESCRIPTION	PHYSICAL TESTS				CHEMICAL TESTS													
		YIELD P.S.I.	TENSILE P.S.I.	ELONG % IN B"	BEND	WT% DEF	C	Ni	Mn	Cr	P	Mo	S	V	Si	Cb	Cu	Sn	C.E.
PO# -> 4500080732																			
JW1110647301	Nucor Steel - Texas	55,100	75,300	23.0%			.11	.81	.014	.036	.18	.32							
	8x11.5# Channel	380MPa	519MPa				.13	.15	.036	.002	.014								
	40" O" A36/A572GR50	56,300	75,200	27.0%															
	ASTM A36/A36M-08 ASTM A572/A572-07 GR 50 TY1	388MPa	518MPa																

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.  
 1. Weld repairs were not performed on this material.  
 2. Melted and Manufactured in the United States.  
 3. Mercury, Radium, or Alpha source materials in any form, have not been used in the production of this material.

QUALITY ASSURANCE: Nathan Stewart

