

NUCOR
NUCOR CORPORATION
NUCOR STEEL TEXAS

Mill Certification
3/11/2016

MTR #: J1-332484
 8812 Hwy 79 W
 Jewett, TX 75846
 (903) 626-4461
 Fax: (903) 626-6290

Sold To: FORTACERO S A DE C V
 BLVD PRESIDENTE CARLOS SALINAS
 DE GORTARI KM 8 8
 APODACANL 66600
 MEXICO
 011-52-81-815-65-20-0
 Fax: 011-52-81-815-65-29-0

Ship To: FORTACERO MONTERREY
 BLVD CARLOS SALINAS DE GORTARI
 KM 8 8
 APODACANL 66600
 MEXICO
 956-72-39-526

71771

Customer P.O.	4500133306	Sales Order	231989.8
Product Group	Merchant Bar Quality	Part Number	5337550024010W0
Grade	NUCOR MULTIGRADE	Lot #	JW1610117251
Size	3/8x5" Flat	Heat #	JW16101172
Product	3/8x5" Flat 20' NUCOR MULTIGRADE	B.L. Number	J1-730904
Description	NUCOR MULTIGRADE	Load Number	J1-332484
Customer Spec		Customer Part #	

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.

Roll Date: 2/18/2016 Melt Date: 2/17/2016 Qty Shipped LBS: 35,728 Qty Shipped Pcs: 280

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Cb	Sn
0.12%	0.85%	0.015%	0.030%	0.22%	0.30%	0.12%	0.19%	0.040%	0.0441%	0.001%	0.012%
CE4020	CEA529										
0.34%	0.38%										

CE4020: C. E. CSA G4020, AASHTO M270
 CEA529: A529 CARBON EQUIVALENT

Yield 1: 61,000psi

Tensile 1: 77,700psi

Elongation: 21% in 8"(% in 203.3mm)

Yield 2: 62,400psi

Tensile 2: 79,300psi

Elongation 23% in 8"(% in 203.3mm)

Specification Comments: NUCOR MULTIGRADE MEETS THE REQUIREMENTS OF: ASTM A36/A36M-08; A529/529M-05(2009); GR50(345); A572/572M-07 GR50(345); A709/709M-10 GR36(250) & GR50(345); CSA G40.21-04 GR44W(300W) & GR50W(350W); AASHTO M270/M270M-10 GR36(270) & GR50(345); ASME SA36/SA36M-07; MEETS REPORTING REQUIREMENTS OF EN10204 SEC 3.1

Comments: E-mail: websales@nstexas.com

- All manufacturing processes of the steel, including melting, casting & hot rolling, have been performed in U.S.A.
- Mercury in any form has not been used in the production or testing of this product.
- Welding or weld repair was not performed on this material.
- This material conforms to the specifications described on this document and may not be reproduced, except in full, without written approval of Nucor Corporation.
- Results reported for ASTM E45 (Inclusion content) and ASTM E381 (Macro-etch) are provided as interpretation of ASTM procedures.

Bhargava R Vantari

Bhargava R Vantari
 Division Metallurgist