

**NUCOR**

**Mill Certification**  
07/26/2023

MTR#:1440535-6  
 Lot #:110004639162  
 8812 HWY 79 W  
 Jewett, TX 75846 US  
 903 626-4461  
 Fax: 903 626-6290

NO BOX DR07

13 US

8415 CLINTON DR

US

JSE

Customer PO	sww136597	Sales Order #	11061469 - 2.2
Product Group	Hot Roll - Merchant Bar Quality	Product #	3007149
Grade	Nucor Multigrade	Lot #	110004639162
Size	4" x 3" x 0.5"	Heat #	1100046391
BOL #	BOL-1488528	Load #	1440535
Description	Hot Roll - Merchant Bar Quality Unequal Angle 4" x 3" x 1/2" Nucor Multigrade 40' 0" (480") 8001-12000 lbs	Customer Part #	
Production Date	05/09/2023	Qty Shipped LBS	10212
Product Country Of Origin	United States	Qty Shipped EA	23
Original Item Description		Original Item Number	

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.

Melting Date: 04/21/2023

Melt Country of Origin : United States

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	Ti (%)	V (%)	Nb (%)
0.12	0.81	0.017	0.021	0.209	0.10	0.19	0.04	0.29	0.001	0.042	0.002

Sn (%)  
0.010

ASTM A529 S78.2 CE (%) : 0.37

**Tensile testing**

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	52100	68600	20.0
(2)	52200	68800	23.0

**Comments:**

NUCOR MULTIGRADE MEETS THE REQUIREMENTS OF: ASTM A36/A36M-14; A529/529M-05(2009) GR50(345); A572/572M-07 GR50(345); A709/709M-10 GR36(260) & 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

1. All manufacturing processes of the steel, including melting, casting & hot rolling, have been performed in U.S.A

2. Mercury not intentionally added at any point during manufacturing or testing of this material.

3. Welding or weld repair was not performed on this material.

4. This material conforms to the specifications described on this document and may not be reproduced, except in full, without written approval of Nucor Corporation.

5. Results reported ASTM E45 (Inclusion content) and ASTM E381 (Macro-etch) are provided as interpretation of ASTM procedures.

Ada Ortega, Quality Assurance