



**Mill Certification**

12/21/2021

MTR#:900262-4  
 Lot #:110003041160  
 8812 HWY 79 W  
 Jewett, TX 75846 US  
 903 626-4461  
 Fax: 903 626-6290

Customer PO	4500515524	Sales Order #	11035707 - 1.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	3016950
Grade	Nucor Multigrade	Lot #	110003041160
Size	0.375" x 12"	Heat #	1100030411
BOL #	BOL-1007522	Load #	900262
Description	Hot Roll - Merchant Bar Quality UM Plate 3/8" x 12" Nucor Multigrade 20' 0" [240"] 2001-6000 lbs	Customer Part #	1012120020
Production Date	12/02/2021	Qty Shipped LBS	19600
Product Country Of Origin	United States	Qty Shipped EA	64
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.

Melt Country of Origin : United States

Melting Date: 11/30/2021

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	Ti (%)	V (%)	Nb (%)
0.12	0.83	0.015	0.015	0.186	0.12	0.19	0.04	0.27	0.001	0.054	0.003
Sn (%)											
0.009											

ASTM A529 S78.2 CE (%) : 0.37

**Tensile testing**

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	60400	74400	20.0
(2)	60100	73700	21.0

**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(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

- All manufacturing processes of the steel, including melting, casting & hot rolling, have been performed in U.S.A
- Mercury not intentionally added at any point during manufacturing or testing of this material.
- 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 ASTM E45 (Inclusion content) and ASTM E381 (Macro-etch) are provided as interpretation of ASTM procedures.

Robert Fortson, Quality Assurance