

Customer PO	P0227533-06	Sales Order #	11035873 - 3.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	3006513
Grade	Nucor Multigrade	Lot #	110002858262
Size	4" x 4" x 0.5"	Heat #	1100028582
BOL #	BOL-972308	Load #	868668
Description	Hot Roll - Merchant Bar Quality Equal Angle 4" x 4" x 1/2" Nucor Multigrade 20' 0" [240"] 2001-6000 lbs	Customer Part #	
Production Date	10/29/2021	Qty Shipped LBS	5120
Product Country Of Origin	United States	Qty Shipped EA	20
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: 10/12/2021

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	Ti (%)	V (%)	Nb (%)
0.14	0.93	0.017	0.018	0.202	0.12	0.20	0.03	0.25	0.001	0.048	0.002

Sn (%)

0.009

ASTM A529 S78.2 CE (%) : 0.40

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	57600	73600	21.0
(2)	56800	72700	22.0

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

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.



Robert Fortson, Quality Assurance