



Mill Certification

03/28/2023

MTR#:1288116-3
Lot #:110004350760
8812 HWY 79 W
Jewett, TX 75846 US
903 626-4461
Fax: 903 626-6290

PO BOX 1000
MANHATTAN, KS 66502 US

LONGVIEW, TX 75604 US

Customer PO	4500546319	Sales Order #	11056802 - 10.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	3006513
Grade	Nucor Multigrade	Lot #	110004350760
Size	4" x 4" x 0.5"	Heat #	1100043507
BOL #	BOL-1389200	Load #	1288116
Description	Hot Roll - Merchant Bar Quality Equal Angle 4" x 4" x 1/2" Nucor Multigrade 20' 0" [240"] 2001-6000 lbs	Customer Part #	504004001620
Production Date	01/30/2023	Qty Shipped LBS	10240
Product Country Of Origin	United States	Qty Shipped EA	40
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: 01/23/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	Ti (%)	V (%)	Nb (%)
0.12	0.88	0.014	0.020	0.230	0.11	0.18	0.04	0.26	0.001	0.043	0.002

Sn (%)

0.011

ASTM A529 S78.2 CE (%) : 0.38

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	54200	73000	24.0
(2)	52300	73900	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.

Ada Ortega, Quality Assurance