

MANHATTAN, KS 66502 US

LONGVIEW, TX 75604 US

Customer PO	4500544389	Sales Order #	11055703 - 3.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	3017825
Grade	Nucor Multigrade	Lot #	110004075061
Size	0.75" x 5"	Heat #	1100040750
BOL #	BOL-1360094	Load #	1267452
Description	Hot Roll - Merchant Bar Quality Flat 3/4" x 5" Nucor Multigrade 20' 0" [240"] 2001-6000 lbs	Customer Part #	102450020
Production Date	11/08/2022	Qty Shipped LBS	5104
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: 10/22/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	Ti (%)	V (%)	Sn (%)
0.12	0.88	0.020	0.020	0.226	0.12	0.26	0.04	0.34	0.001	0.056	0.013

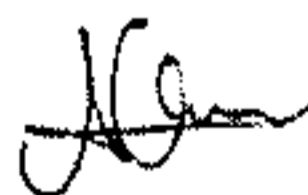
ASTM A529 S78.2 CE (%) : 0.41

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	58500	74700	23.0
(2)	57900	74900	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