

Ship To: CPU RYDER  
4750 W MARSHALL AVE  
LONGVIEW, TX 75604 US

MANHATTAN, KS 66502 US

Customer PO	4500547166	Sales Order #	11057323 - 3.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	3016986
Grade	A36/A529 Gr 50, CSA 44W/50W	Lot #	110004446020
Size	0.5" x 1"	Heat #	1100044460
BOL #	BOL-1386712	Load #	1287895
Description	Hot Roll - Merchant Bar Quality Flat 1/2" x 1" A36/A529 Gr 50, CSA 44W/50W 20' 0" [240"] 2001-6000 lbs	Customer Part #	101610020
Production Date	03/02/2023	Qty Shipped LBS	4899
Product Country Of Origin	United States	Qty Shipped EA	144
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: 02/21/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.13	0.83	0.015	0.011	0.213	0.10	0.22	0.03	0.24	0.023	0.002

Reduction Ratio 77.99 : 1

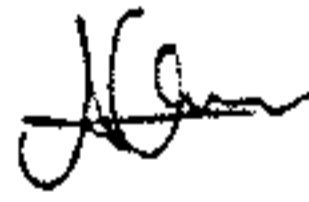
**Tensile testing**

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	52800	69800	27.0
(2)	52800	70200	26.0

**Comments:**

MEETS THE REQUIREMENTS OF: ASTM A36/A36M-14; A529/A529-05 GR50(345); A572/572M-07 GR50(345); A709/A709M-10 GR36(250); CSA G40.21-04 GR44W(300W)&GR50W(350W); AASHTO M270/270M-10 GR36(270); ASME SA36/SA36M-10; 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