

Sol:

4750 W MARSHALL AVE  
 LONG...

Customer PO	4500556016	Sales Order #	11062443 - 3.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	3005019
Grade	A36/A529 Gr 50, CSA 44W/50W	Lot #	110004586820
Size	1.25" x 1.25" x 0.1875"	Heat #	1100045868
BOL #	BOL-1500035	Load #	1443844
Description	Hot Roll - Merchant Bar Quality Equal Angle 1 1/4" x 1 1/4" x 3/16" A36/A529 Gr 50, CSA 44W/50W 20' 0" [240"] 2001-6000 lbs	Customer Part #	50108108620
Production Date	04/14/2023	Qty Shipped LBS	9768
Product Country Of Origin	United States	Qty Shipped EA	330
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: 04/05/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.13	0.79	0.017	0.032	0.219	0.12	0.21	0.05	0.29	0.024	0.003

Reduction Ratio 89.64 : 1

**Tensile testing**

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	53800	72300	28.0
(2)	55500	72000	27.0

**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