

Customer PO	4500557168	Sales Order #	11063030 - 4.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	3006859
Grade	A36/A529 Gr 50, CSA 44W/50W	Lot #	110124598040
Size	2" x 1.5" x 0.25"	Heat #	1202045980
BOL #	BOL-1510318	Load #	1461612
Description	Hot Roll - Merchant Bar Quality Unequal Angle 2" x 1 1/2" x 1/4" A36/A529 Gr 50, CSA 44W/50W 20' 0" [240"] 2001-6000 lbs	Customer Part #	50200116820
Production Date	08/18/2023	Qty Shipped LBS	11967
Product Country Of Origin	United States	Qty Shipped EA	216
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: 10/11/2022

Roll Country of Origin : United States

Rolling Date: 10/19/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.17	0.70	0.021	0.040	0.180	0.09	0.26	0.03	0.27	0.003	0.002

**Tensile testing**

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	50000	73700	31.0
(2)	50000	74200	32.0

**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.