

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

<u>C (%)</u>	<u>Mn (%)</u>	<u>P (%)</u>	<u>S (%)</u>	<u>Si (%)</u>	<u>Ni (%)</u>	<u>Cr (%)</u>	<u>Mo (%)</u>	<u>Cu (%)</u>	<u>V (%)</u>	<u>Nb (%)</u>
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

1. All manufacturing processes of the steel, including melting, casting & hot rolling, have been performed in U.S.A
2. Mercury not intentionally added at any point during manufacturing or testing of this material.
3. Welding or weld repair was not performed on this material.
4. This material conforms to the specifications described on this document and may not be reproduced, except in full, without written approval of Nucor Corporation.
5. Results reported ASTM E45 (Inclusion content) and ASTM E381 (Macro-etch) are provided as interpretation of ASTM procedures.

Ada Ortega, Quality Assurance