

Customer PO	4500559293	Sales Order #	11064275 - 2.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	3006859
Grade	A36/A529 Gr 50, CSA 44W/50W	Lot #	120205331260
Size	2" x 1.5" x 0.25"	Heat #	1202053312
BOL #	BOL-1546179	Load #	1494822
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	08/31/2023	Qty Shipped LBS	7978
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: 07/28/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.17	0.71	0.009	0.033	0.22	0.08	0.13	0.03	0.23	0.014	0.001

**Tensile testing**

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	50200	72500	27.0
(2)	50800	72700	27.0

**Comments:**

ASTM A36/A36M-19, ASTM A529/A529M-19 GR50, CSA G40.21-13(R2018) 44W(300W)/50W(350W), ASTM A709/A709M-18 GR36, AASHTO M 270/M 270M-19 GR36, ASME SA36/SA36M-17

Nucor Steel Utah is in compliance with and certified to: ISO 9001:2015, ISO 14001:2015, ABS Quality Assurance Program & AASHTO's NTPEP Reinforcing Steel and Wire (REBAR) Technical Committee Work Plan.

All manufacturing processes of the steel materials in this product, including melting, casting and hot rolling have occurred within the United States. Mercury not intentionally added at any point during manufacture or testing of this product. This material is free of HG contamination and is ROHS compliant. No weld repair was performed.

Material meets the requirements of the purchase order and have been produced under the Nucor Steel Utah Quality Manual. Mill Certificate complies with DIN EN 10204 – 3.1.

Material and Mill Certification are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs and complies with the Buy America Act, and (FTA) Buy America Requirements (49 C.F.R. part 661 & 23 CFR part 635.410.).



Bryden Morris, Chief Metallurgist