

rpowell

NUCOR

Mill Certification
02/17/2020

MTR#:358604-2
Lot #:110000701560
8812 HWY 79 W
Jewett, TX 75846 US
903-626-4461
Fax: 903-626-6290

8415 CLINTON DR

HOUSTON, TX 77213 US

Customer PO	SSW110829-FF	Sales Order #	11011845 - 21.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	3044720
Grade	Nucor Multigrade	Lot #	110000701560
Size	4" x 4" x 0.375"	Heat #	1100007015
BOL #	BOL-442136	Load #	358604
Description	Hot Roll - Merchant Bar Quality Equal Angle 4" x 4" x 3/8" Nucor Multigrade 40' 0" [480"] 6001-10000 lbs	Customer Part #	
Production Date	12/27/2019	Qty Shipped LBS	19600
Product Country Of Origin	United States	Qty Shipped EA	50
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: 12/01/2019

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	Ti (%)	V (%)	Nb (%)
0.12	0.92	0.012	0.026	0.216	0.16	0.15	0.07	0.30	0.000	0.044	0.001
Sn (%)											
0.010											

ASTM A529 S78.2 CE (%) : 0.39

Other Test Results

Yield (PSI) : 54800

Yield (PSI) : 56500

Tensile (PSI) : 72200

Tensile (PSI) : 73800

Elongation in 8" (%) : 24.0

Elongation in 8" (%) : 20.0

Comments:

- NUCOR MULTIGRADE MEETS THE REQUIREMENTS OF: ASTM A36/A36M-14; A529/529M-05(2009) GR50(345); A572/572M-07 GR50(345); A709/709M-10 GR36(250) & GR50(345); CSA G40.21-04 GR44W(300W) & GR50W(350W); AASHTO M270/M270M-10 GR36(270) & GR50(345); ASME SA36/SA36M-07; 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 in any form has not been used in the production or testing of this product.
 - 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.

Reddy R Vantari

Reddy Vantari, Chief Metallurgist