



# Mill Certification

03/16/2022

MTR#:975845-4  
Lot #:800001612620  
300 STEEL MILL RD  
DARLINGTON, SC 29540 US  
843 393-5841  
Fax: 843 395-8701

Customer PO	43769	Sales Order #	80027371 - 5.2
Product Group	Hot Roll - Merchant Bar Quality	Product #	3006108
Grade	Nucor Multigrade	Lot #	800001612620
Size	3" x 3" x 0.375"	Heat #	8000016126
BOL #	BOL-1076127	Load #	975845
Description	Hot Roll - Merchant Bar Quality Equal Angle 3" x 3" x 3/8" Nucor Multigrade 20' 0" [240"] 4001-8000 lbs	Customer Part #	
Production Date	02/16/2022	Qty Shipped LBS	15120
Product Country Of Origin	United States	Qty Shipped EA	105
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: 02/15/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	Ti (%)	V (%)	Nb (%)
0.17	0.68	0.009	0.014	0.196	0.11	0.13	0.02	0.36	0.002	0.036	0.002

**Sn (%)**

0.013

ASTM A529 S78.2 CE (%) : 0.39

ASTM A992 5.4 CE (%) : 0.36

Reduction Ratio 23.23 : 1

### Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	55200	75300	27.0
(2)	55000	74200	25.0

### Comments:

Nucor Multigrade meets the requirements of: ASTM A36/A36M, A529/A529M GR50, A572/A572M GR50(345), A709/A709M GR36(250) & GR50(345), CSA G40.21 GR44W(300W) & GR50W(350W), AASHTO M270/M270M-10 GR36(270) & GR50(345), ASME SA36/SA36M, QQ-S-741D, CAT 1E1883. Produced to a fully killed, fine grain practice.

Welding or weld repair was not performed on this material.

Melted and Manufactured in the U.S.A and complies with the Buy American Act.

Mercury, radium, or alpha source materials not intentionally added at any point during manufacturing or testing of this material.

Material is certified to the most recent revision of the specification(s) and grade indicated at the time of production.

Mark Schmidt, Chief Metallurgist