NUCOR®

Mill Certification

10/20/2023

MTR#:1508902-4
Lot #:800002545160
300 STEEL MILL RD
DARLINGTON, SC 29540 US
843 393-5841
Fax: 843 395-8701

Sold To: SOUTH ATLANTIC LLC
1907 S 17TH ST
STE 2A
WILMINGTON, NC 28401 US

Ship To: SOUTH ATLANTIC LLC
C/O CLAXTON EVANS INDU PK
HWY 280
160 INDUSTRIAL PARK DR
CLAXTON, GA 30417 US

Customer PO	59662	Sales Order #	80056718 - 9.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	3016474
Grade	Nucor Multigrade	Lot #	800002545160
Size	0.25" x 6"	Heat #	8000025451
BOL #	BOL-1557209	Load #	1508902
Description	Hot Roll - Merchant Bar Quality Flat 1/4" x 6" Nucor Multigrade 20' 0" [240"] 2001-6000 lbs	Customer Part #	SF146
Production Date	07/23/2023	Qty Shipped LBS	5104
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: 07/10/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	Ti (%)	Nb (%)	Sn (%)
0.15	0.67	0.010	0.014	0.198	0.10	0.16	0.02	0.43	0.001	0.012	0.012

ASTM A529 S78.2 CE (%) : 0.37

ASTM A992 5.4 CE (%) : 0.33

Reduction Ratio 32.67 : 1

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	57300	74400	29.0
(2)	57800	75700	29.0

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.
Conforms to EN 10204 - 3.1
When applicable, testing is performed in accordance with the most current revisions of the following ASTM standards: Chemical analysis E415/E1019, tensile testing A370, hardness testing E18, Inclusion ratings E45, Grain size E112

Mark Schmidt, Chief Metallurgist