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Mill Certification

02/07/2023

MTR#: 1250244-5
 Lot #: 800002183060
 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	53105	Sales Order #	80044620 - 2.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	3007928
Grade	Nucor Multigrade	Lot #	800002183060
Size	4" x 7.25#	Heat #	8000021830
BOL #	BOL-1344756	Load #	1250244
Description	Hot Roll - Merchant Bar Quality Structural Channel 4" x 7.25# Nucor Multigrade 20' 0" [240"] 2001-6000 lbs	Customer Part #	
Production Date	01/09/2023	Qty Shipped LBS	4640
Product Country Of Origin	United States	Qty Shipped EA	32
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: 12/23/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	Ti (%)	Nb (%)	Sn (%)
0.12	0.90	0.009	0.017	0.209	0.08	0.15	0.02	0.29	0.001	0.024	0.008

ASTM A529 S78.2 CE (%) : 0.37

ASTM A992 5.4 CE (%) : 0.33

Reduction Ratio 23.00 : 1

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	59200	77800	29.0
(2)	58300	76800	30.0

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

Mark Schmidt, Chief Metallurgist