

ate: 3/22/2023 To: SENTRY SUPPLY dba SO#: A756104 Ln#: 1  
 PO#: P0240219-15 Part: R25020\* Qty: 4 Heat#: 3600033246\* Tag: B16032123



**Mill Certification**  
03/15/2023

MTR#: 1278241-4  
 Lot #: 360003324660  
 ONE NUCOR WAY  
 BOURBONNAIS, IL 60914 US  
 815 937-3131  
 Fax: 815 939-5599

PO BOX 9607  
 HOUSTON, TX 77213 US

HOUSTON, TX 77029 US

Customer PO	ssw134220	Sales Order #	36046278 - 2.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	3011774
Grade	Nucor Multigrade	Lot #	360003324660
Size	2.5"	Heat #	3600033246
BOL #	BOL-1373427	Load #	1278241
Description	Hot Roll - Merchant Bar Quality Round 2.5" (2 1/2") Nucor Multigrade 20' 0" [240"] 2001-6000 lbs	Customer Part #	
Production Date	12/21/2022	Qty Shipped LBS	10692
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. Melting Date: 12/16/2022

Melt Country of Origin : United States

C (%)	Mn (%)	P (%)	S (%)	SI (%)	NI (%)	Cr (%)	Mo (%)	Cu (%)	Ti (%)	V (%)	Nb (%)
0.12	0.96	0.011	0.037	0.166	0.20	0.17	0.06	0.34	0.001	0.003	0.013
<b>Sn (%)</b>											
0.013											

ASTM A529 S78.2 CE (%) : 0.39  
 ASTM A992 5.4 CE (%) : 0.36

**Tensile testing**

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	50200	73700	21.4
(2)	51900	72800	33.5

**Comments:**

Nucor Multigrade meets the requirements of: ASTM A36/A36M-19, A529/529M-19 GR50, A572/572M-18 GR50, A709/709M-18 GR36 & GR50 No CVN, CSA G40.21-13 GR44W(300W) & GR50W(350W), AASHTO M270/M270M-20 GR36 & GR50, ASME SA36/SA36M-19.  
 Meets reporting requirements of EN10204 SEC3.1.  
 All manufacturing processes of the steel materials in this product, including melting, have occurred within the United States. Products produced are weld free. Mercury, in any form, has not been used in the production or testing of this material.

*Zachary Sprintz*

Zachary Sprintz, Chief Metallurgist