

Customer PO	39467	Sales Order #	80018987 - 1.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	3008019
Grade	Nucor Multigrade	Lot #	211112820
Size	6" x 8.2#	Heat #	2111128
BOL #	BOL-884010	Load #	777529
Description	Hot Roll - Merchant Bar Quality Structural Channel 6" x 8.2# Nucor Multigrade 20' 0" [240"] 2001-6000 lbs	Customer Part #	
Production Date	06/30/2021	Qty Shipped LBS	4920
Product Country Of Origin	United States	Qty Shipped EA	30
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: 06/30/2021

Roll Country of Origin : United States

Rolling Date: 06/30/2021

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	Ti (%)	V (%)	Nb (%)
0.07	0.87	0.007	0.017	0.190	0.04	0.04	0.01	0.13	0.001	0.002	0.026
Sn (%)											
0.005											

ASTM A529 S78.2 CE (%) : 0.27

ASTM A992 5.4 CE (%) : 0.24

**Tensile testing**

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	61700	71600	23.0
(2)	60400	71700	24.0

**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