

PO BOX 1600

4750 W MARSHALL AVE

Customer PO	4500549411	Sales Order #	11058793 - 2.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	3008019
Grade	Nucor Multigrade	Lot #	110004685961
Size	6" x 8.2#	Heat #	1100046859
BOL #	BOL-1438755	Load #	1387878
Description	Hot Roll - Merchant Bar Quality Structural Channel 6" x 8.2# Nucor Multigrade 20' 0" [240"] 2001-6000 lbs	Customer Part #	25682020
Production Date	05/19/2023	Qty Shipped LBS	27552
Product Country Of Origin	United States	Qty Shipped EA	168
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: 05/03/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	Ti (%)	V (%)	Nb (%)
0.12	0.80	0.011	0.022	0.185	0.12	0.12	0.04	0.31	0.000	0.037	0.002

Sn (%)
0.009

ASTM A529 S78.2 CE (%) : 0.35

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	57000	74000	22.0
(2)	56900	73900	21.0

Comments:

NUCOR MULTIGRADE MEETS THE REQUIREMENTS OF: ASTM A36/A36M-14; A529/529M-05(2009) GR50(345); A572/572M-07 GR50(345); A709/709M-10 GR36(250) & GR50(345); CSA G40.21-04 GR44W(300W)& GR50W(350W); AASHTO M270/M270M-10 GR36(270) & GR50(345); ASME SA36/SA36M-07; MEETS REPORTING REQUIREMENTS OF EN10204 SEC 3.1

- All manufacturing processes of the steel, including melting, casting & hot rolling, have been performed in U.S.A
- Mercury not intentionally added at any point during manufacturing or testing of this material.
- Welding or weld repair was not performed on this material.
- This material conforms to the specifications described on this document and may not be reproduced, except in full, without written approval of Nucor Corporation.
- Results reported ASTM E45 (Inclusion content) and ASTM E381 (Macro-etch) are provided as interpretation of ASTM procedures.

Ada Ortega, Quality Assurance