

Sold To: ACEROS DEL TORO SA DE CV  
 CARRETERA A MONCLOVA #301  
 GRAL ESCOBEDONL 66050  
 MEXICO  
 018-18-15-85900  
 Fax: 018-18-15-85901

Ship To: ACEROS DEL TORO SA DE CV  
 CARRETERA A MONLOVA No 301  
 ENTRE CARRETERA A COLOMBIA Y  
 CARRETERA A LAREDO  
 MONTERREYNL 66600  
 MEXICO

Customer P.O.	4500005106	Sales Order	207506.35
Product Group	Merchant Bar Quality	Part Number	2503005024010W0
Grade	NUCOR MULTIGRADE	Lot #	JW1410715401
Size	3x5.0# Channel	Heat #	JW14107154
Product	3x5.0# Channel 20' NUCOR MULTIGRADE	B.L. Number	J1-687216
Description	NUCOR MULTIGRADE	Load Number	J1-287425
Customer Spec		Customer Part #	

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.

Roll Date: 9/5/2014 Melt Date: 8/20/2014 Qty Shipped LBS: 4,800 Qty Shipped Pcs: 48

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Cb	Sn
0.12%	0.82%	0.009%	0.032%	0.22%	0.29%	0.15%	0.12%	0.043%	0.0336%	0.001%	0.014%
CE4020											
0.33%											

CE4020: C. E. CSA G4020, AASHTO M270

Yield 1: 51,500psi (355MPa) Tensile 1: 71,600psi (494MPa) Elongation: 22% in 8"(% in 203.3mm)  
 Yield 2: 50,000psi (345MPa) Tensile 2: 71,500psi (493MPa) Elongation 21% in 8"(% in 203.3mm)

Specification Comments: NUCOR MULTIGRADE MEETS THE REQUIREMENTS OF: ASTM A36/A36M-08, 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

Comments: E-mail: websales@nstexas.com

- All manufacturing processes of the steel, including melting, have been performed in the U.S.A.
- Mercury in any form has not been used in the production or testing of this product.
- 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 for ASTM E45 (Inclusion content) and ASTM E381 (Macro-etch) are provided as interpretation of ASTM procedures.



*Bhargava R Vantari*

Bhargava R Vantari  
 Division Metallurgist