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 AV VALLE DE LAB ALAMEDAS
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 TULTITLANMEX 54940
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Ship To: PLESA TULTITLAN (LECHERIA)
 AV VALLE DE LAS ALAMEDAS NO.
 66 -O COL. SAN FRANCISCO CHILP
 SPUR: 12-831-94 AND 12-832-94
 LECHERIA MEX 54940
 MEXICO
 956-54-72-800

Customer P.O.	18878	Sales Order	206047.9
Product Group	Merchant Bar Quality	Part Number	5350030024010W0
Grade	NUCOR MULTIGRADE	Lot #	JW1410673351
Size	1/2x3" Flat	Heat #	JW14106733
Product	1/2x3" Flat 20' NUCOR MULTIGRADE	B.L. Number	J1-680647
Description	NUCOR MULTIGRADE	Load Number	J1-283922
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: 8/16/2014 Melt Date: 8/9/2014 Qty Shipped LBS: 19,600 Qty Shipped Pcs: 192

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Cb	Sn
0.13%	0.85%	0.012%	0.022%	0.21%	0.31%	0.17%	0.19%	0.056%	0.0397%	0.001%	0.011%
CE4020	CEA529										
0.36%	0.40%										

CE4020: C. E. CSA G4020, AASHTO M270
 CEA529: A529 CARBON EQUIVALENT

Yield 1: 56,200psi (387MPa)

Tensile 1: 72,000psi (496MPa)

Elongation: 24% in 8"(% in 203.3mm)

Yield 2: 57,500psi (396MPa)

Tensile 2: 73,200psi (505MPa)

Elongation 26% 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