

Sold To:

Ship To:

Customer PO	4500578417	Sales Order #	11075060 - 1.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	1047303
Grade	Nucor Multigrade	Lot #	110005963560
Size	0.25" x 3.5"	Heat #	1100059635
BOL #	BOL-1779609	Load #	1732826
Description	Hot Roll - Merchant Bar Quality Flat 1/4" x 3 1/2" Nucor Multigrade 20' 0" [240"] 2001-6000 lbs	Customer Part #	10831620
Production Date	07/09/2024	Qty Shipped LBS	5001
Product Country Of Origin	United States	Qty Shipped EA	84
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: 06/14/2024

Roll Country of Origin : United States

Rolling Date: 07/09/2024

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	Ti (%)	V (%)	Sn (%)
0.12	0.85	0.012	0.021	0.217	0.11	0.17	0.03	0.26	0.000	0.030	0.010

ASTM A529 S78.2 CE (%) : 0.37

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	55900	72200	23.0
(2)	56300	71800	24.0

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

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

Sold To: STEEL & PIPE SUPPLY CO INC
 PO BOX 1688
 MANHATTAN, KS 66502 US

Ship To: CPU RYDER
 4750 W MARSHALL AVE
 LONGVIEW, TX 75604 US

Customer PO	4500580662	Sales Order #	11076200 - 3.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	3016643
Grade	A36/A529 Gr 50, CSA 44W/50W	Lot #	110005901920
Size	0.375" x 1.5"	Heat #	1100059019
BOL #	BOL-1802553	Load #	1759730
Description	Hot Roll - Merchant Bar Quality Flat 3/8" x 1 1/2" A36/A529 Gr 50, CSA 44W/50W 20' 0" [240"] 2001-6000 lbs	Customer Part #	101211620
Production Date	06/19/2024	Qty Shipped LBS	9800
Product Country Of Origin	United States	Qty Shipped EA	256
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: 05/24/2024

Roll Country of Origin : United States

Rolling Date: 06/19/2024

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	V (%)	Nb (%)
0.12	0.86	0.013	0.021	0.221	0.12	0.14	0.04	0.26	0.026	0.001

Reduction Ratio 69.31 : 1

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	52800	69400	25.0
(2)	53000	70400	24.0

Comments:

MEETS THE REQUIREMENTS OF: ASTM A36/A36M-14; A529/A529-05 GR50(345); A572/572M-07 GR50(345); A709/A709M-10 GR36(250); CSA G40.21-04 GR44W(300W)&GR50W(350W); AASHTO M270/270M-10 GR36(270); ASME SA36/SA36M-10; 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.



American Metal Group
 290 Lower Bon Air Road
 Sylacauga, AL 35150
 Tel 205.433.6680


Material Certification

Customer: **Steel & Pipe Company, Inc**
 Ship To: **Longview**
 Customer PO No: **4500582156**
 American Metal Group Order No: **56228**
 Order Line: **3**
 Shipped Qty: **4520**
 American Metal Group Part No: **CDR 1018 .500X240**
 Customer Part No: **921620**
 Country of Origin: **USA**
 Rolled Mill: **Nucor Nebraska**
 Melted Mill: **Nucor Nebraska**
 Grade: **1018**
 Heat: **790407 LOT .5625**
 Note: **Meets ASTM A108-18 specification**
 Spec No: **ASTM A108**
 Spec Note:
 Spec No: **EN 10204 3.1**
 Spec Note:

Material Specification Type	Material Specification	Actual
Chemistry	Carbon	0.2 %
	Manganese	0.84 %
	Phosphorus (max)	0.007 %
	Sulfur (max)	0.006 %
	Silicon	0.05 %
	Copper	0.1 %
	Nickel	0.05 %
	Chromium	0.05 %
	Molybdenum	0.01 %
	Vanadium	0 %
	Columbium	0 %
	Aluminum	0.035 %

No weld repair performed on the material.
 No Mercury used in the production of this material.
 Meets EN10204 3.1

"The recording of false, fictitious and fraudulent statements or entries on this document may be punishable as a felony under federal statute."

By: 
 Authorized Representative



American Metal Group
 290 Lower Bon Air Road
 Sylacauga, AL 35150
 Tel 205.433.6680

Material Certification

Customer: **Steel & Pipe Company, Inc**
 Ship To: **Jonesburg**
 Customer PO No: **4500572458**
 American Metal Group Order No: **51165**
 Order Line: **1**
 Shipped Qty: **4097**
 American Metal Group Part No: **CDR 1018 .750X240**
 Customer Part No: **922420**
 Country of Origin: **Canada**
 Rolled Mill: **ArcelorMittal Long Products Canada G.P.**
 Melted Mill: **ArcelorMittal Long Products Canada G.P.**
 Grade: **1018**
 Heat: **D151696_1 LOT .8125**
 Note: **Meets ASTM A108-18 specification**
 Spec No: **ASTM A108**
 Spec Note:
 Spec No: **EN 10204 3.1**
 Spec Note:

Material Specification Type	Material Specification	Actual
Chemistry	Carbon	0.16 %
	Manganese	0.75 %
	Phosphorus (max)	0.007 %
	Sulfur (max)	0.006 %
	Silicon	0.2 %
	Copper	0.03 %
	Nickel	0.01 %
	Chromium	0.02 %
	Molybdenum	0.003 %
	Vanadium	0.002 %
	Columbium	0 %
Aluminum	0.032 %	

No weld repair performed on the material.
 No Mercury used in the production of this material.
 Meets EN10204 3.1

By: 
 Authorized Representative



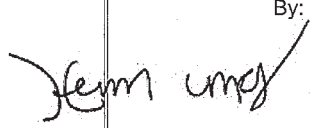
American Metal Group
 290 Lower Bon Air Road
 Sylacauga, AL 35150
 Tel 205.433.6680

Material Certification

Customer: **Steel & Pipe Company, Inc**
 Ship To: **Longview**
 Customer PO No: **4500567465**
 American Metal Group Order No: **48357**
 Order Line: **3**
 Shipped Qty: **4071**
 American Metal Group Part No: **CDR 1018 1.000X240**
 Customer Part No: **9210020**
 Country of Origin: **USA**
 Rolled Mill: **Charter Steel**
 Melted Mill: **Charter Steel**
 Grade: **1018**
 Heat: **10872660 LOT 1.032**
 Note: **Meets ASTM A108-18 specification**

Material Specification Type	Material Specification	Actual
Chemistry	Carbon	0.16 %
	Manganese	0.64 %
	Phosphorus (max)	0.007 %
	Sulfur (max)	0.015 %
	Silicon	0.21 %
	Copper	0.19 %
	Nickel	0.06 %
	Chromium	0.11 %
	Molybdenum	0.02 %
	Vanadium	0.002 %
	Columbium	0.001 %
Aluminum	0.025 %	

No weld repair performed on the material.
 No Mercury used in the production of this material.
 Meets EN10204 3.1

By: 
 Authorized Representative



American Metal Group
 290 Lower Bon Air Road
 Sylacauga, AL 35150
 Tel 205.433.6680


Material Certification

Customer: **Steel & Pipe Company Inc**
 Ship To: **Longview**
 Customer PO No: **4500582156**
 American Metal Group Order No: **56228**
 Order Line: **1**
 Shipped Qty: **4320**
 American Metal Group Part No: **CDR 1018 1.000X240**
 Customer Part No: **9210020**
 Country of Origin: **USA**
 Rolled Mill: **Alton Steel, Inc**
 Melted Mill: **Alton Steel, Inc**
 Grade: **1018**
 Heat: **245534 LOT 1.063**
 Note: **Meets ASTM A108-18**
 Spec No: **ASTM A108**
 Spec Note:
 Spec No: **EN 10204 3.1**
 Spec Note:

Material Specification Type	Material Specification	Actual
Chemistry	Carbon	0.18 %
	Manganese	0.78 %
	Phosphorus (max)	0.024 %
	Sulfur (max)	0.028 %
	Silicon	0.19 %
	Copper	0.23 %
	Nickel	0.08 %
	Chromium	0.13 %
	Molybdenum	0.022 %
	Vanadium	0.008 %
	Columbium	0.002 %
	Aluminum	0.002 %

No weld repair performed on the material.
 No Mercury used in the production of this material.
 Meets EN10204 3.1

"The recording of false, fictitious and fraudulent statements or entries on this document may be punishable as a felony under federal statute."

By: 
 Authorized Representative