

06/06/2023 From: AMERICAN ALLOY STEEL, INC. To: SUPERIOR SUPPLY STEEL  
 P.O.# PO241876-15 S.O.# 742662 AA PL# 8071778  
 Item 1 (2 PC) 1/2" X 96" X 240"

**NUCOR**  
 P.O. Box 279  
 Winton, NC 27986  
 (252) 356-3700

**Mill Test Report**

1505 River Rd  
 Corral, NC 27922  
 (252) 356-3700  
 AMERICAN ALLOY STEEL  
 PLATE # 8071778

Issuing Date : 11/22/2022 BIL No. : 636739 Load No. : 654148 Our Order No. : 200933/1 Cust. Order No. : 132639  
 Vehicle No: ALV 91698 Sold To: AMERICAN ALLOY STEEL INC 6220 N HOUSTON ROSSLYN RD NORTH HOUSTON, TX 77091 Ship To: AMERICAN ALLOY STEEL 6220 N HOUSTON ROSSLYN RD BNSF TR # 7228 WILE 684 LN SEG 482 NORTH HOUSTON, TX 77091  
 Specification: 0.5000" x 96.000" x 480.000"  
 AP12H50 9th Ed. 06 S1, S3, S4S-3/4" S5/ABS EHS6/DH36 JUL 2022/MIL-S-22898C EHS6Z-1" DH36/ASTM A537-20 C1 Mod (0.04 Nb Max)/ASME SASS7 C11 2017 Mod(0.04 Nb Max)/ASTM A633-18 Gr. C/ASTM A572 Gr. 50-18 A709 Gr. 50-18 Type 1 EN10204 3.2 ASTM A191-19 EHDH36  
 Marking : 132639

Head No	C	Ln	P	S	SI	Cu	NI	Cr	Mo	Alloy	V	Nb	TI	N	Ca	B	Sn	Ceq	Pcm
2603974	0.15	1.35	0.009	0.001	0.34	0.21	0.22	0.08	0.01	0.029	0.004	0.035	0.003	0.0035	0.0020	0.0000	0.016	0.42	0.25
2604007	0.15	1.33	0.007	0.001	0.31	0.15	0.23	0.09	0.01	0.030	0.004	0.033	0.003	0.0036	0.0010	0.0000	0.014	0.42	0.24
CC-2603974	0.13	1.33	0.007	0.000	0.33	0.20	0.20	0.08	0.01	0.029	0.004	0.035	0.003		0.0016	0.0005	0.016	0.39	0.22
CC-2604007	0.13	1.30	0.007	0.001	0.31	0.15	0.22	0.09	0.01	0.031	0.005	0.033	0.004		0.0015	0.0004	0.013	0.39	0.22

Plate Serial No	Pieces	Tons	Dir.	Yield (psi)	Tensile (psi)	Elong. % in 2"	Elong. % in 8"	Heat Treat Norm (°F)	Time (min)	Temper (°F)	Time (min)
2603974-05	2	6.53	H-T	57,800	79,700	42.9		1650	23		
2604007-02	1	3.26	H-T	57,900	79,200	43.1		1650	23		

**ULTRASONIC**  
 PASSED  
 PASSED

MOHEEB IBRAHIM  
 12-14-2022  
 Work Order # 5580958

Certified a true copy of the original, retained in our file.  
 AMERICAN ALLOY STEEL, INC.  
 Reviewed By: *[Signature]*

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material. Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast discrete plate, unless otherwise noted in Specification. For Mexico shipments: inc-SalesMEX@nucor.com  
 Yield by 0.35ELI method unless otherwise specified. Ceq = C+(Mn/6)+(Cr+Mo+V)/5+(Cu+Ni)/15  
 Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+S  
 Method and Manufactured in the USA. ISO 9001:2015 certified. PED 2014/68/EU. 9772/EC 772 Annex 1, Para. 4.3 Compliant. API Q1-1951 DIN 50049 3.1/EN 10204 3.1(2004) 3.1B/EN 10204 3.1(2005) compliant. ABS QA-362496

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 P.O. # PO241876-15  
 Item 1 (2 PC) 1/2" X 96" X 240"

To: SUPERIOR SUPPLY STEEL  
 S.O.# 742662  
 AA PL# 8071778

**NUCOR**  
 Wintom, NC 27986  
 (252) 356-3700

**Mill Test Report**


1505 River Rd  
 Cofield, NC 27822  
 (252) 356-3700

Issuing Date: 11/22/2022  
 Vehicle No: ALY 91698  
 Specification: 0.5000" x 96.000" x 480.000"  
 AP12H50 9th Ed.-08 S1.S3.S4.-3/4" SS/ABS EHS9/DH36 JUL 2022/MLL-S-  
 22698C EHS9Z-1"/DH36/ASTM A537-20 Cl Mod (0.04 Nb Max)/ASME  
 SA537 Cl1 2017 Mod(0.04 Nb Max)/ASTM A537-18 Gr. C/ASTM A572  
 Gr.50-18 A709 Gr. 50-18 Type 1 EN10204 3.2 ASTM A131-19 EMDH36  
 Marking: 132839

Load No: 654148  
 Sold To: AMERICAN ALLOY STEEL INC  
 6230 N HOUSTON ROSSLYN RD  
 PO BOX 40469  
 NORTH HOUSTON, TX 77091  
 Our Order No.: 200933/1  
 Ship To: AMERICAN ALLOY STEEL  
 6230 N HOUSTON ROSSLYN RD  
 BNSF TR # 7228  
 MILE 664 LN SEG 492  
 NORTH HOUSTON, TX 77091  
 Cust Order No.: 132839

Heat No	C	Mn	P	S	Si	Cu	Nb	Cr	Mo	Al(%)	V	Nb	Ti	N	Ca	B	Sn	Caq	Pen
2603974	0.15	1.35	0.009	0.001	0.34	0.21	0.22	0.08	0.01	0.029	0.004	0.035	0.003	0.0035	0.0020	0.0000	0.016	0.42	0.25
2604007	0.15	1.33	0.007	0.001	0.31	0.15	0.23	0.09	0.01	0.030	0.004	0.033	0.003	0.0036	0.0010	0.0000	0.014	0.42	0.24
CC-2603974	0.13	1.33	0.007	0.000	0.33	0.20	0.20	0.08	0.01	0.029	0.004	0.035	0.003	0.0036	0.0016	0.0005	0.016	0.39	0.22
CC-2604007	0.13	1.30	0.007	0.001	0.31	0.15	0.22	0.09	0.01	0.031	0.005	0.033	0.004	0.0036	0.0015	0.0004	0.013	0.39	0.22
Plate Serial No	2604007-02																		
Pieces	1																		
Test Method	Ultrasonic																		
Result	PASSED																		
Result	PASSED																		
Result	PASSED																		
Result	PASSED																		
Result	PASSED																		

MOHEEB IBRAHIM  
 12-14-2022  
 Work Order # 5580958



**HOT ROLLED CARBON STEEL PLATE**  
**TEST COUPONS TAKEN FROM HEAT TREATED PLATE**  
**100% UT per ASTM Level A. Indications resulting in greater than 50% loss in back reflection shall be reported on the sketch included on the MTR.**

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material.  
 Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast discrete plate, unless otherwise noted.  
 In Specification. For Mexico shipments: SalesMA@nuccor.com  
 Yield by 0.5ELU method unless otherwise specified. Cen = C-(Mn/6)-(Cr+Mo+V/5)-(Cu+Ni/15)  
 Pen = C-(Si/3)-(Mn/2)-(Cu/2)-(Ni/6)-(C/2)-(Mo/15)-(V/10)-S  
 Melled and Manufactured in the USA. ISO 9001:2015 certified. PED 2014/68/EU, 87/23/EC 7/2 Annex 1, Para. 4.3 Compliant. API Q1-1851  
 DIN 50049 3.1 B/EN 10204 3.1(2004) 3.1B/1993Y DIN EN 10204 3.1(2005) compliant. ABS QA-3624396

We hereby certify that the contents of this report are accurate and correct. All test results and operators performed by the material manufacturer are in compliance with the applicable specifications, including customer specifications.

*T. A. Depretis*  
 T. A. Depretis, Metallurgist

11/22/2022 4:40:21 PM