Item 1 (7 PC) 3/8" X 48" X 96"

NUCOR
PLATE MILL GROUP

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

Mill Test Report

1505 River Rd
Cofield, NC 27922
(252) 358-3700

Issuing Date : 05/10/2023 **B/L No. :** 648260 **Load No. :** 666769 **Our Order No. :** 203404/1 **Cust. Order No. :** 133804

Vehicle No: TTPX 806178

Specification: 0.3750" x 96.000" x 480.000"
ABS AH36 DH36 Jan 2023/ ASTM A572-50-21e1/ASTM A709 50-18//MIL-S-22698C Amendment 2 Class U ASTM A131-19 AH36/DH36 Control Rolled over .500" CSAG40.21-13 50WT Cat 3/AASHTO M270-50 2022

Marking : 133804

Sold To: AMERICAN ALLOY STEEL INC
6230 N HOUSTON ROSSLYN RD
PO BOX 40469
NORTH HOUSTON,TX 77091

Ship To: AMERICAN ALLOY STEEL
6230 N HOUSTON ROSSLYN RD
BNSF TR # 7228
MILE 864 LN SEG 492
NORTH HOUSTON,TX 77091

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al(tot)	V	Nb	Ti	N	Ca	B	Sn	Ceq	Pcm
3602520	0.07	1.34	0.007	0.002	0.17	0.18	0.08	0.06	0.03	0.030	0.003	0.036	0.002	0.0096	0.0010	0.0004	0.010	0.33	0.16
3602521	0.08	1.30	0.006	0.001	0.16	0.18	0.09	0.07	0.03	0.034	0.003	0.034	0.002	0.0070	0.0020	0.0003	0.009	0.33	0.17

Plate Serial No	Pieces	Tons	Tensile Test Dir.	(psi) Yield	(psi) Tensile	Elong. % in 2"	Elong. % in 8"
3602520-08	6	14.70	T	61,900	75,400		21.5
			T	63,600	74,900		21.2
3602521-01	6	14.70	T	64,200	76,400		20.5
			T	62,700	75,100		21.2

Plate Serial No	Pieces	Tons	Charpy Impacts Dir.	(ft-lbs) 1	(ft-lbs) 2	(ft-lbs) 3	(ft-lbs) Ave	Min	(in.) 1	(in.) 2	(in.) 3	(in.) Ave	(in.) Min	(%) 1	(%) 2	(%) 3	(%) Ave	Min	Temp (°F)	Size
3602520-08	6	14.70	H-L	284.9	277.6	248.8	270.4	26											-22	10mm
			H-L	82.2	280.7	244.2	205.7	26											-22	10mm
			H-L	162.4	187.1	163.0	170.8	26											-22	7.5mm
			H-L	223.8	169.5	24.5	139.3	26											-22	10mm
3602521-01	6	14.70	H-L	146.9	158.9	157.4	154.4	26											-22	7.5mm
			H-L	148.5	91.5	163.6	134.5	26											-22	7.5mm
			H-L	156.1	163.0	152.6	157.2	26											-22	7.5mm

Laura Bucci
5859765
26 May 2023

HOT ROLLED CARBON STEEL PLATE

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 as-rolled, unless otherwise noted in Specification. For Mexico shipments:mhc-SalesMX@nucor.com
Yield by 0.5EUL 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)+5B
Melted and Manufactured in the USA. ISO 9001:2015 certified. PED 2014/68/EU, 97/23/EC 7/2 Annex 1, Para. 4.3 Compliant. API Q1-1851
DIN 50049 3.1.B/EN 10204 3.1(2004) 3.1B(1993)/ DIN EN 10204 3.1(2005) compliant. ABS QA-3624366

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

C. L. Cooper, Metallurgist

5/10/2023 10:20:29 AM

Certified a true copy of the original, retained in our file.
AMERICAN ALLOY STEEL
Th 6/9/2023

PLATE #