

02/17/2023 From: AMERICAN ALLOY STEEL, INC. S.O.# 733797  
P.O.# 239397-01  
Item 1 (1 PC) 1/2" X 48" X 96"  
TO: SUPERIOR SUPPLY & STEEL AA PL# R69817

Load Number	Tally	Mill Order Number	PO NO   Line NO	Part Number	Certificate Number	Prepared
R291341	0000001036575	N-193715-001	128400 1		S03657501-1	11/15/2021 23:29
Grade	Customer:					

**Order Description:**  
Hot Roll Plate From Coil  
ABS DH36, 0.5000 IN x 96.000 IN x 480.000 IN  
**Quality Plan Description:**  
ABS DH36/MILS/50: ABS AH/DH36/MILSS5269C DH36/A131-DH36 IMP 26-22F

**Sold TO:**  
AMERICAN ALLOY STEEL HOUSTON TX  
**Ship TO:**  
AMERICAN ALLOY STEEL HOUSTON TX  
**Sent TO:**

AMERICAN ALLOY  
LATE # *121131200*

Shipped Item	Heat/Slab Number	Certified By	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Co	V	Al	Ti	N2	B	Ca	Sn	CEV	ACI
1K0750C	21A4000-02 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	
1K0750D	21A4000-02 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	
1K0750E	21A4000-02 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	
1K0752B	21A4000-03 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	
1K0752C	21A4000-03 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	
1K0752D	21A4000-03 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	
1K0752E	21A4000-03 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	
1K0752F	21A4000-03 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	
1K0752G	21A4000-03 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	

Certified a true copy of the original, retained in our file.  
AMERICAN ALLOY STEEL  
*121131200*

Mercury has not come in contact with this product during the manufacturing process nor has any mercury been used by the manufacturing process. Certified in accordance with EN 10204 3.1. No weld repair has been performed on this material. Yield strength is determined by the 0.2% offset method unless otherwise noted. Manufactured under the ABS Quality Assurance Program. Certificate number QA-3737946. We hereby certify that the information herein has been made to the applicable specifications by the EAF process and tested in accordance with the requirements of the ABS rules with satisfactory results. Material also meets A709-50/A131-AH/DH36, AASHTO M270-50, CSA G40.21-50WT CAT 3 IMPACTS, AND A572-50. HOT ROLLED CARBON STEEL PLATE Manufactured to a fully killed fine grain practice. NUTEMPER TEMPER PASSED plate from coil  
ISO 9001:2015 Registered, PED Certified  
\*\*\*\* indicates Heats melted and Manufactured in the U.S.A.

We hereby certify that the product described above passed all of the tests required by the specifications.

*Daniel Green*  
Daniel Green - Chief Metallurgist

02/17/2023 From: AMERICAN ALLOY STEEL, INC. S.O.# 733797  
P.O.# 239397-01  
Item 1 (1 PC) 1/2" X 48" X 96"  
To: SUPERIOR SUPPLY & STEEL AA PL# R69817

Load Number	Tally	Mill Order Number	PO NO   Line NO	Part Number	Certificate Number	Prepared
R291341	00000001036575	N-193715-001	128400 1		S03657501-1	11/15/2021 23:29

**Grade:**  
**Customer:**  
**Order Description:**  
Hot Roll Plate From Coil  
AMERICAN ALLOY STEEL HOUSTON TX  
ABS DH36, 0.5000 IN x 96.000 IN x 48.000 IN  
Ship TO:  
AMERICAN ALLOY STEEL HOUSTON TX  
**Quality Plan Description:**  
ABS DH36/MILS/50: ABS AH/DH36/MELSS269C DH36/A131-DH36 IMP 26-22F  
Sent TO:

Shipped Item	Certified By	Heat/Slab Number	Yield ksi	Tensile ksi	Y/T %	ELONGATION %		Bend OK?	Hard HB	Charpy Impacts (ft-lbs)			Shear %			Test Temp	
						2" 8"	8"			Size mm	1	2	3	1	2		3
1K0750C	SIK0750FTT	21A4000-02 ***	65.8	76.2	86.4	35.5											
1K0750C	SIK0750BLI	21A4000-02 ***								7.5	170	93	85	116.0			-22 F
1K0750C	SIK0750FLI	21A4000-02 ***								7.5	207	218	209	211.3			-22 F
1K0750C	SIK0750MLI	21A4000-02 ***								7.5	193	191	186	190.0			-22 F
1K0750C	SIK0750MTT	21A4000-02 ***	67.9	75.4	90.1	34.5											
1K0750D	SIK0750FTT	21A4000-02 ***	65.8	76.2	86.4	35.5											
1K0750D	SIK0750BLI	21A4000-02 ***								7.5	170	93	85	116.0			-22 F
1K0750D	SIK0750FLI	21A4000-02 ***								7.5	207	218	209	211.3			-22 F
1K0750D	SIK0750MLI	21A4000-02 ***								7.5	193	191	186	190.0			-22 F
1K0750D	SIK0750MTT	21A4000-02 ***	67.9	75.4	90.1	34.5											
1K0750E	SIK0750FTT	21A4000-02 ***	65.8	76.2	86.4	35.5											
1K0750E	SIK0750BLI	21A4000-02 ***								7.5	170	93	85	116.0			-22 F
1K0750E	SIK0750FLI	21A4000-02 ***								7.5	207	218	209	211.3			-22 F
1K0750E	SIK0750MLI	21A4000-02 ***								7.5	193	191	186	190.0			-22 F
1K0750E	SIK0750MTT	21A4000-02 ***	67.9	75.4	90.1	34.5											
1K0752B	SIK0752FTT	21A4000-03 ***	62.5	75.2	83.1	34.3											
1K0752B	SIK0752BLI	21A4000-03 ***								7.5	198	206	188	197.3			-22 F

Mercury has not come in contact with this product during the manufacturing process nor has any mercury been used by the manufacturing process. Certified in accordance with EN 10204 3.1. No weld repair has been performed on this material. Yield strength is determined by the 0.2% offset method unless otherwise noted. Manufactured under the ABS Quality Assurance Program. Certificate number QA-3737946. We hereby certify that the information herein has been made to the applicable specifications by the EAF process and tested in accordance with the requirements of the ABS rules with satisfactory results. Material also meets A709-50/A131-AH/DH36, AASHTO M270-50, CSA G40.21-50WUT CAT 3 IMPACTS, AND A572-50. HOT ROLLED CARBON STEEL PLATE Manufactured to a fully killed fine grain practice. NUTEMPER TEMPER PASSED plate from coil  
ISO 9001:2015 Registered, PED Certified  
\*\*\*\* indicates Heats melted and Manufactured in the U.S.A.

We hereby certify that the product described above passed all of the tests required by the specifications.

*Daniel Green*  
Daniel Green - Chief Metallurgist



**Attachment to Material Report**  
 NO: 5007125 **ABS** 11/18/2021  
 American Bureau of Shipping, Jeffersonville

**MILL TEST CERTIFICATE**

Nucor Steel Tuscaloosa, Inc.  
 1700 HOLT RD N.E.  
 Tuscaloosa, AL 35404-1000  
 800 800-8204  
 customerservice@nucortusk.com

**NUCOR®**  
**NUCOR STEEL TUSCALOOSA, INC.**

<b>Load Number</b> R291341	<b>Tally</b> 0000001036575	<b>Mill Order Number</b> N-193715-001	<b>PO NO   Line NO</b> 128400   1	<b>Part Number</b> S03657501-1	<b>Certificate Number</b> S03657501-1	<b>Prepared</b> 11/15/2021 23:29
<b>Grade</b>						
<b>Order Description:</b> Hot Roll Plate From Coil ABS DH36, 0.5000 IN x 96.000 IN x 480.000 IN <b>Quality Plan Description:</b> ABS DH36/MILS/50: ABS AH/DH36/MILSS269C DH36/A131-DH36 IMP 26-22F						
<b>Customer:</b> Sold TO: AMERICAN ALLOY STEEL HOUSTON TX Ship TO: AMERICAN ALLOY STEEL HOUSTON TX Sent TO:						

Shipped Item	Certified By	Heat/Slab Number	Yield ksi	Tensile ksi	Y/T %	ELONGATION %		Bend OK?	Hard HB	Charpy Impacts (ft.-lbs)			Shear %			Test Temp	
						2" 8"	2" 8"			Size mm	1	2	3	1	2		3
1K0752E	S1K0752MTT	21A4000-03 ***	65.8	75.2	87.5	33.5	33.5										
1K0752F	S1K0752FTT	21A4000-03 ***	62.5	75.2	83.1	34.3	34.3			7.5	198	206	188	197.3			-22 F
1K0752F	S1K0752BLI	21A4000-03 ***								7.5	219	226	195	213.3			-22 F
1K0752F	S1K0752FLI	21A4000-03 ***								7.5	183	78	194	151.7			-22 F
1K0752F	S1K0752MLI	21A4000-03 ***															
1K0752F	S1K0752MTT	21A4000-03 ***	65.8	75.2	87.5	33.5	33.5										
1K0752G	S1K0752FTT	21A4000-03 ***	62.5	75.2	83.1	34.3	34.3			7.5	198	206	188	197.3			-22 F
1K0752G	S1K0752BLI	21A4000-03 ***								7.5	219	226	195	213.3			-22 F
1K0752G	S1K0752FLI	21A4000-03 ***								7.5	183	78	194	151.7			-22 F
1K0752G	S1K0752MLI	21A4000-03 ***															
1K0752G	S1K0752MTT	21A4000-03 ***	65.8	75.2	87.5	33.5	33.5										

Items: 9 PCS: 18 Weight: 117615 LBS

02/17/2023 From: AMERICAN ALLOY STEEL, INC. S.O.# 733797  
 AA PL# R69817  
 P.O.# 239397-01  
 Item 1 (1 PC) 1/2" X 48" X 96"

We hereby certify that the product described above passed all of the tests required by the specifications.

*Daniel Green*  
 Daniel Green - Chief Metallurgist

Mercury has not come in contact with this product during the manufacturing process nor has any mercury been used by the manufacturing process. Certified in accordance with EN 10204 3.1. No weld repair has been performed on this material. Yield strength is determined by the 0.2% offset method unless otherwise noted. Manufactured under the ABS Quality Assurance Program, Certificate number QA-3737946. We hereby certify that the information herein has been made to the applicable specifications by the EAF process and tested in accordance with the requirements of the ABS rules with satisfactory results. Material also meets A709-50/A131-AH/DH36, AASHTO M270-50, CSA G40.21-50WT CAT 3 IMPACTS, AND A572-50. HOT ROLLED CARBON STEEL PLATE Manufactured to a fully killed fine grain practice. NUTEMPER TEMPER PASSED plate from coil  
 ISO 9001:2015 Registered, PED Certified  
 \*\*\*\*\* indicates Heats melted and Manufactured in the U.S.A.



**NUCOR STEEL TUSCALOOSA, INC.**

**MILL TEST CERTIFICATE**

Nucor Steel Tuscaloosa, Inc.  
1700 HOLT RD N.E.  
Tuscaloosa, AL 35404-1000  
800 800-8204  
customerservice@nucortusk.com

**Attachment to Material Report**

NO: 5007125 WABS 11/18/2021  
American Bureau of Shipping, Jeffersonville

Load Number	Tally	Mill Order Number	PO NO   Line NO	Part Number	Certificate Number	Prepared
R291341	0000001036575	N-193715-001	128400 1		S03657501-1	11/15/2021 23:29
<b>Grade</b>						
Order Description: Hot Roll Plate From Coil ABS DH36, 0.5000 IN x 96.000 IN x 480.000 IN Quality Plan Description: ABS DH36/MILS/50: ABS AH/DH36/MILSS269C DH36/A131-DH36 IMP 26-22F						
<b>Customer:</b>						
Sold TO: AMERICAN ALLOY STEEL HOUSTON TX Ship TO: AMERICAN ALLOY STEEL HOUSTON TX Sent TO:						

**AMERICAN ALLOY**  
LATE # 2021815

Shipped Item	Heat/Slab Number	Certified By	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Cb	V	Al	Ti	NZ	B	Ca	Sn	CEV	ACI
1K0750C	21A4000-02 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	
1K0750D	21A4000-02 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	
1K0750E	21A4000-02 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	
1K0752B	21A4000-03 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	
1K0752C	21A4000-03 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	
1K0752D	21A4000-03 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	
1K0752E	21A4000-03 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	
1K0752F	21A4000-03 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	
1K0752G	21A4000-03 ***	21A4000	0.05	1.31	0.014	0.001	0.22	0.26	0.08	0.08	0.022	0.028	0.047	0.037	0.016	0.008	0.0003	0.0029	0.007	0.32	

Certified a true copy of the original, retained in our file.  
**AMERICAN ALLOY STEEL**  
J.V. 12/13/2021

We hereby certify that the product described above passed all of the tests required by the specifications.

*Daniel Green*  
Daniel Green - Chief Metallurgist

Mercury has not come in contact with this product during the manufacturing process nor has any mercury been used by the manufacturing process. Certified in accordance with EN 10204 3.1. No weld repair has been performed on this material. Yield strength is determined by the 0.2% offset method unless otherwise noted. Manufactured under the ABS Quality Assurance Program. Certificate number QA-3737946. We hereby certify that the information herein has been made to the applicable specifications by the EAF process and tested in accordance with the requirements of the ABS rules with satisfactory results. Material also meets A709-50/A131-AH/DH36, AASHTO M270-50, CSA G40.21-50WT CAT 3 IMPACTS, AND A572-50. HOT ROLLED CARBON STEEL PLATE Manufactured to a fully killed fine grain practice. NUTEMPER TEMPER PASSED plate from coil

ISO 9001:2015 Registered, PED Certified

..... indicates Heats melted and Manufactured in the U.S.A.

02/17/2023 From: AMERICAN ALLOY STEEL, INC. S.O.# 733797  
P.O.# 239397-01  
Item 1 (1 PC) 1/2" X 48" X 96"  
TO: SUPERIOR SUPPLY & STEEL AA PL# R69815





**Attachment to Material Report**  
 NO: 5007125 **AMS** 11/18/2021  
 American Bureau of Shipping, Jeffersonville

**MILL TEST CERTIFICATE**

Nucor Steel Tuscaloosa, Inc.  
 1700 HOLT RD N.E.  
 Tuscaloosa, AL 35404-1000  
 800 800-8204  
 customerservice@nucortusk.com

**NUCOR**  
**NUCOR STEEL TUSCALOOSA, INC.**

Load Number	Tally	Mill Order Number	PO NO   Line NO	Part Number	Certificate Number	Prepared
R291341	00000001036575	N-193715-001	128400 1		503657501-1	11/15/2021 23:29

**Customer:**  
 Sold TO: AMERICAN ALLOY STEEL HOUSTON TX  
 Ship TO: AMERICAN ALLOY STEEL HOUSTON TX  
 Sent TO:

**Order Description:**  
 Hot Roll Plate From Coil  
 ABS DH36, 0.5000 IN x 96.000 IN x 480.000 IN  
**Quality Plan Description:**  
 ABS DH36/MILS/50: ABS AH/DH36/MILSS269C DH36/A131-DH36 IMP 26-22F

Shipped Item	Certified By	Heat/Slab Number	Yield ksi	Tensile ksi	Y/T %	ELONGATION %		Bend OK?	Hard HB	Charpy Impacts (ft-lbs)			Shear %			Test Temp		
						2" 8"	8"			Size mm	1	2	3	Avg	1		2	3
1K0752E	S1K0752MT	21A4000-03 ***	65.8	75.2	87.5	33.5												
1K0752F	S1K0752FT	21A4000-03 ***	62.5	75.2	83.1	34.3				7.5	198	206	188	197.3				-22 F
1K0752G	S1K0752FLI	21A4000-03 ***								7.5	219	226	195	213.3				-22 F
1K0752H	S1K0752FLI	21A4000-03 ***								7.5	183	78	194	151.7				-22 F
1K0752I	S1K0752MLI	21A4000-03 ***	65.8	75.2	87.5	33.5												
1K0752J	S1K0752MT	21A4000-03 ***	62.5	75.2	83.1	34.3												
1K0752K	S1K0752FT	21A4000-03 ***								7.5	198	206	188	197.3				-22 F
1K0752L	S1K0752BLL	21A4000-03 ***								7.5	219	226	195	213.3				-22 F
1K0752M	S1K0752FLI	21A4000-03 ***								7.5	183	78	194	151.7				-22 F
1K0752N	S1K0752MLI	21A4000-03 ***	65.8	75.2	87.5	33.5												
1K0752O	S1K0752MT	21A4000-03 ***	62.5	75.2	83.1	34.3												
1K0752P	S1K0752FLI	21A4000-03 ***								7.5	198	206	188	197.3				-22 F
1K0752Q	S1K0752MLI	21A4000-03 ***	65.8	75.2	87.5	33.5												
1K0752R	S1K0752MT	21A4000-03 ***	62.5	75.2	83.1	34.3												

Items: 9 PCS: 18 Weight: 117615 LBS

02/17/2023 From: AMERICAN ALLOY STEEL, INC. S.O.# 733797  
 TO: SUPERIOR SUPPLY & STEEL AA PL# R69815  
 P.O.# 239397-01  
 Item 1 (1 PC) 1/2" X 48" X 96"

Mercury has not come in contact with this product during the manufacturing process nor has any mercury been used by the manufacturing process. Certified in accordance with EN 10204 3.1. No weld repair has been performed on this material. Yield strength is determined by the 0.2% offset method unless otherwise noted. Manufactured under the ABS Quality Assurance Program, Certificate number QA-3737946. We hereby certify that the information herein has been made to the applicable specifications by the EAF process and tested in accordance with the requirements of the ABS rules with satisfactory results. Material also meets A709-50/A131-AH/DH36, AASHTO M270-50, CSA G40.21-50WT CAT 3 IMPACTS, AND A572-50. HOT ROLLED CARBON STEEL PLATE Manufactured to a fully killed fine grain practice. NUTEMPER TEMPER PASSED plate from coil

We hereby certify that the product described above passed all of the tests required by the specifications.  
  
 Daniel Green - Chief Metallurgist

ISO 9001:2015 Registered, PED Certified

\*\*\*\* indicates Heats melted and Manufactured in the U.S.A.