



NUCOR STEEL TUSCALOOSA, INC.

# MILL TEST CERTIFICATE

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

Load Number	Tally	Mill Order Number	PO NO   Line NO	Part Number	Certificate Number	Prepared
R179760	00000000779618	N-163047-004	V13579 04		S77961801-1	03/17/2018 12:53
<b>Grade</b>				<b>Customer:</b>		
<b>Order Description:</b> Hot Roll Plate From Coil A36, 0.3125 IN x 96.000 IN x 240.000 IN				<b>Sold TO:</b>		
<b>Quality Plan Description:</b> A36MODMN-TRIPLE: ASTM A36-14/A709-36-15/ASME SA36-13 MOD MN				<b>Ship TO:</b>		
				<b>Sent TO:</b>		

Shipped Item	Heat/Slab Number	Certified By	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Cb	V	Al	Ti	N2	B	Ca	Sn	CEV	ACI
8C1629D	A8P0981-03 ***	A8P0981	0.18	0.86	0.010	0.006	0.04	0.21	0.07	0.07	0.020	0.003	0.005	0.032	0.001	0.008	0.0002	0.0015	0.007	0.36	
8C1629C	A8P0981-03 ***	A8P0981	0.18	0.86	0.010	0.006	0.04	0.21	0.07	0.07	0.020	0.003	0.005	0.032	0.001	0.008	0.0002	0.0015	0.007	0.36	
8C1629E	A8P0981-03 ***	A8P0981	0.18	0.86	0.010	0.006	0.04	0.21	0.07	0.07	0.020	0.003	0.005	0.032	0.001	0.008	0.0002	0.0015	0.007	0.36	
8C1629F	A8P0981-03 ***	A8P0981	0.18	0.86	0.010	0.006	0.04	0.21	0.07	0.07	0.020	0.003	0.005	0.032	0.001	0.008	0.0002	0.0015	0.007	0.36	
8C1629G	A8P0981-03 ***	A8P0981	0.18	0.86	0.010	0.006	0.04	0.21	0.07	0.07	0.020	0.003	0.005	0.032	0.001	0.008	0.0002	0.0015	0.007	0.36	
8C1631B	B8P3552-01 ***	B8P3552	0.18	0.84	0.005	0.009	0.03	0.18	0.05	0.06	0.020	0.002	0.004	0.026	0.001	0.007	0.0001	0.0012	0.005	0.35	
8C1631C	B8P3552-01 ***	B8P3552	0.18	0.84	0.005	0.009	0.03	0.18	0.05	0.06	0.020	0.002	0.004	0.026	0.001	0.007	0.0001	0.0012	0.005	0.35	
8C1631D	B8P3552-01 ***	B8P3552	0.18	0.84	0.005	0.009	0.03	0.18	0.05	0.06	0.020	0.002	0.004	0.026	0.001	0.007	0.0001	0.0012	0.005	0.35	
8C1631E	B8P3552-01 ***	B8P3552	0.18	0.84	0.005	0.009	0.03	0.18	0.05	0.06	0.020	0.002	0.004	0.026	0.001	0.007	0.0001	0.0012	0.005	0.35	
8C1631F	B8P3552-01 ***	B8P3552	0.18	0.84	0.005	0.009	0.03	0.18	0.05	0.06	0.020	0.002	0.004	0.026	0.001	0.007	0.0001	0.0012	0.005	0.35	
8C1631G	B8P3552-01 ***	B8P3552	0.18	0.84	0.005	0.009	0.03	0.18	0.05	0.06	0.020	0.002	0.004	0.026	0.001	0.007	0.0001	0.0012	0.005	0.35	
8C1529B	B8P3520-04 ***	B8P3520	0.19	0.86	0.009	0.004	0.07	0.14	0.05	0.06	0.022	0.003	0.005	0.035	0.002	0.007	0.0001	0.0015	0.005	0.36	

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. Material conforms to NACE MR0175 Annex 2.1.2 Manufactured to a fully killed fine grain practice. NUTEMPER TEMPER PASSED plate from coil  
ISO 9001:2015 Registered, PED Certified

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

Dr. Quilin Yu - Metallurgist

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



NUCOR STEEL TUSCALOOSA, INC.

# MILL TEST CERTIFICATE

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

Load Number	Tally	Mill Order Number	PO NO   Line NO	Part Number	Certificate Number	Prepared
R179760	00000000779618	N-163047-004	V13579 04		S77961801-1	03/17/2018 12:53
<b>Grade</b>				<b>Customer:</b>		
<b>Order Description:</b> Hot Roll Plate From Coil A36, 0.3125 IN x 96.000 IN x 240.000 IN				<b>Sold TO:</b>		
<b>Quality Plan Description:</b> A36MODMN-TRIPLE: ASTM A36-14/A709-36-15/ASME SA36-13 MOD MN				<b>Ship TO:</b>		
				<b>Sent TO:</b>		

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"			Size mm	1	2	3	Avg	1	2	3		Avg
8C1629D	S8C1629FTT	A8P0981-03 ***	49.0	69.6	70.4	34.7													
8C1629D	S8C1629MTT	A8P0981-03 ***	48.3	64.8	74.5	32.2													
8C1629C	S8C1629FTT	A8P0981-03 ***	49.0	69.6	70.4	34.7													
8C1629C	S8C1629MTT	A8P0981-03 ***	48.3	64.8	74.5	32.2													
8C1629E	S8C1629FTT	A8P0981-03 ***	49.0	69.6	70.4	34.7													
8C1629E	S8C1629MTT	A8P0981-03 ***	48.3	64.8	74.5	32.2													
8C1629F	S8C1629FTT	A8P0981-03 ***	49.0	69.6	70.4	34.7													
8C1629F	S8C1629MTT	A8P0981-03 ***	48.3	64.8	74.5	32.2													
8C1629G	S8C1629FTT	A8P0981-03 ***	49.0	69.6	70.4	34.7													
8C1629G	S8C1629MTT	A8P0981-03 ***	48.3	64.8	74.5	32.2													
8C1631B	S8C1631FTT	B8P3552-01 ***	50.6	71.0	71.3	30.2													
8C1631B	S8C1631MTT	B8P3552-01 ***	46.9	63.6	73.7	32.6													
8C1631C	S8C1631FTT	B8P3552-01 ***	50.6	71.0	71.3	30.2													
8C1631C	S8C1631MTT	B8P3552-01 ***	46.9	63.6	73.7	32.6													
8C1631D	S8C1631FTT	B8P3552-01 ***	50.6	71.0	71.3	30.2													
8C1631D	S8C1631MTT	B8P3552-01 ***	46.9	63.6	73.7	32.6													
8C1631E	S8C1631FTT	B8P3552-01 ***	50.6	71.0	71.3	30.2													
8C1631E	S8C1631MTT	B8P3552-01 ***	46.9	63.6	73.7	32.6													
8C1631F	S8C1631FTT	B8P3552-01 ***	50.6	71.0	71.3	30.2													

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. Material conforms to NACE MR0175 Annex 2.1.2 Manufactured to a fully killed fine grain practice. NUTEMPER TEMPER PASSED plate from coil  
ISO 9001:2015 Registered, PED Certified

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

Dr. Quilin Yu - Metallurgist

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



NUCOR STEEL TUSCALOOSA, INC.

# MILL TEST CERTIFICATE

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

Load Number	Tally	Mill Order Number	PO NO   Line NO	Part Number	Certificate Number	Prepared
R179760	00000000779618	N-163047-004	V13579 04		S77961801-1	03/17/2018 12:53
<b>Grade</b>				<b>Customer:</b>		
<b>Order Description:</b> Hot Roll Plate From Coil A36, 0.3125 IN x 96.000 IN x 240.000 IN				<b>Sold TO:</b>		
<b>Quality Plan Description:</b> A36MODMN-TRIPLE: ASTM A36-14/A709-36-15/ASME SA36-13 MOD MN				<b>Ship TO:</b>		
				<b>Sent TO:</b>		

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"			Size mm	1	2	3	Avg	1	2	3		Avg
8C1631F	S8C1631MTT	B8P3552-01 ***	46.9	63.6	73.7	32.6													
8C1631G	S8C1631FTT	B8P3552-01 ***	50.6	71.0	71.3	30.2													
8C1631G	S8C1631MTT	B8P3552-01 ***	46.9	63.6	73.7	32.6													
8C1529B	S8C1532FTT	B8P3520-04 ***	51.2	70.3	72.8	33.3													
8C1529B	S8C1533FTT	B8P3520-04 ***	50.7	70.5	71.9	32.5													
8C1529B	S8C1532MTT	B8P3520-04 ***	47.2	64.3	73.4	30.8													
8C1529B	S8C1533MTT	B8P3520-04 ***	47.3	64.6	73.2	30.8													

Items: 12 PCS: 88 Weight: 179687 LBS

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. Material conforms to NACE MR0175 Annex 2.1.2 Manufactured to a fully killed fine grain practice. NUTEMPER TEMPER PASSED plate from coil  
ISO 9001:2015 Registered, PED Certified

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

Dr. Quilin Yu - Metallurgist

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