



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															
R055898	00000000542980	N-128553-001	17467 1		L460121-1	02/01/2014 22:09															
<b>Grade</b>				<b>Customer:</b>																	
<b>Order Description:</b> Hot Roll Coil A283 C, 0.1875 IN x 70.000 IN				<b>Sold TO:</b> PLESA ANAHUAC Y CIAS SA DE CV TULTITLAN EM																	
<b>Quality Plan Description:</b> HRA283C,A36: Coil for conversion to A36-08/A283-C-03				<b>Ship TO:</b> PLESA ANAHUAC Y CIAS S.A. DE C.V ESCOBEDO NL																	
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	
4A3588	B4M5435-04 ***	B4M5435	0.18	0.42	0.010	0.006	0.07	0.16	0.06	0.11	0.016	0.000	0.001	0.034	0.001	0.008	0.0000	0.0032	0.007	0.29	
4A3589	A4M0423-01 ***	A4M0423	0.18	0.43	0.011	0.004	0.08	0.15	0.07	0.14	0.024	0.000	0.002	0.033	0.001	0.007	0.0000	0.0036	0.006	0.30	
4A3590	A4M0423-02 ***	A4M0423	0.18	0.43	0.011	0.004	0.08	0.15	0.07	0.14	0.024	0.000	0.002	0.033	0.001	0.007	0.0000	0.0036	0.006	0.30	
Shipped Item	Certified By	Heat 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		
4A3588	S4A3585CTT	B4M5435 ***	50.8	69.8	72.8	28.0															
4A3588	S4A3586CTT	B4M5435 ***	47.6	69.2	68.8	34.1															
4A3589	S4A3589CTT	A4M0423 ***	48.2	66.4	72.6	31.1															
4A3590	S4A3590CTT	A4M0423 ***	48.9	67.6	72.3	29.4															

Items: 3 PCS: 3 Weight: 174220 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. Manufactured to a fully killed fine grain practice. ISO 9001:2008 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.



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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	
4A3588	B4M5435-04 ***	B4M5435	0.18	0.42	0.010	0.006	0.07	0.16	0.06	0.11	0.016	0.000	0.001	0.034	0.001	0.008	0.0000	0.0032	0.007	0.29	
4A3589	A4M0423-01 ***	A4M0423	0.18	0.43	0.011	0.004	0.08	0.15	0.07	0.14	0.024	0.000	0.002	0.033	0.001	0.007	0.0000	0.0036	0.006	0.30	
4A3590	A4M0423-02 ***	A4M0423	0.18	0.43	0.011	0.004	0.08	0.15	0.07	0.14	0.024	0.000	0.002	0.033	0.001	0.007	0.0000	0.0036	0.006	0.30	
Shipped Item	Certified By	Heat Number	Yield MPa	Tensile MPa	Y/T %	ELONGATION %		Bend OK?	Hard HB	Charpy Impacts (J)				Shear %				Test Temp			
						50mm	200mm			Size mm	1	2	3	Avg	1	2	3		Avg		
4A3588	S4A3585CTT	B4M5435 ***	350.3	481.3	72.8	28.0															
4A3588	S4A3586CTT	B4M5435 ***	328.2	477.1	68.8	34.1															
4A3589	S4A3589CTT	A4M0423 ***	332.3	457.8	72.6	31.1															
4A3590	S4A3590CTT	A4M0423 ***	337.2	466.1	72.3	29.4															

Items: 3 PCS: 3 Weight: 79024 KG

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