



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
T201468	00000000823487	N-168532-001	310170 1	TOPSTIFFENER	S82348701-1	11/19/2018 09:37
Grade				Customer:		
Order Description: Hot Roll Plate From Coil A36, 0.2500 IN x 72.000 IN x 240.000 IN				Sold TO: NORTH SHORE SUPPLY COMPANY Houston TX		
Quality Plan Description: A36MODMN-TRIPLE: ASTM A36-14/A709-36-17/ASME SA36/M270-36 MOD MN				Ship TO: NORTH SHORE SUPPLY COMPANY HOUSTON TX		
				Sent TO:		

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
8K1593H	B8X6985-02 ***	B8X6985	0.19	0.86	0.008	0.005	0.03	0.20	0.04	0.06	0.017	0.002	0.004	0.034	0.001	0.009	0.0001	0.0013	0.006	0.37	
8K1632B	A8X4409-04 ***	A8X4409	0.18	0.92	0.010	0.004	0.08	0.12	0.04	0.06	0.014	0.002	0.004	0.033	0.002	0.008	0.0001	0.0012	0.004	0.36	
8K1632C	A8X4409-04 ***	A8X4409	0.18	0.92	0.010	0.004	0.08	0.12	0.04	0.06	0.014	0.002	0.004	0.033	0.002	0.008	0.0001	0.0012	0.004	0.36	
8K1632D	A8X4409-04 ***	A8X4409	0.18	0.92	0.010	0.004	0.08	0.12	0.04	0.06	0.014	0.002	0.004	0.033	0.002	0.008	0.0001	0.0012	0.004	0.36	

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					
8K1593H	S8K1593FTT	B8X6985-02 ***	49.5	68.5	72.3	32.3																		
8K1593H	S8K1593MTT	B8X6985-02 ***	46.7	62.3	75.0	32.2																		
8K1632B	S8K1632FTT	A8X4409-04 ***	49.9	69.0	72.3	32.4																		
8K1632B	S8K1632MTT	A8X4409-04 ***	46.1	63.4	72.7	30.6																		
8K1632C	S8K1632FTT	A8X4409-04 ***	49.9	69.0	72.3	32.4																		
8K1632C	S8K1632MTT	A8X4409-04 ***	46.1	63.4	72.7	30.6																		
8K1632D	S8K1632FTT	A8X4409-04 ***	49.9	69.0	72.3	32.4																		
8K1632D	S8K1632MTT	A8X4409-04 ***	46.1	63.4	72.7	30.6																		

Items: 4 PCS: 36 eight: 44105 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. Yield strength is determined by the 0.2% offset method unless otherwise noted. 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.