



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
B068612	00000000564468	N-132515-011	4500113175 12		S56446801-1	05/31/2014 23:07

Grade	Customer:
Order Description: Hot Roll Coil A516 70, 0.5000 IN x 96.000 IN	Sold TO: FORTACERO SA DE CV APODACA NL
Quality Plan Description: TSC HR38SK70: Coil for conversion to A516-70/SA516-70 Ad11a	Ship TO: FORTACERO, S.A. DE C.V. Brownsville TX

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
4E3592	A4R2201-02-***	A4R2201	0.24	1.07	0.008	0.005	0.21	0.18	0.06	0.06	0.017	0.000	0.001	0.025	0.001	0.007	0.0001	0.0036	0.007	0.45	0.00
4E3594	A4R2201-01-***	A4R2201	0.24	1.07	0.008	0.005	0.21	0.18	0.06	0.06	0.017	0.000	0.001	0.025	0.001	0.007	0.0001	0.0036	0.007	0.45	0.00

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				
4E3592	S4E3592CTT	A4R2201 ***	385.4	563.3	68.4	32.4																	
4E3594	S4E3594CTT	A4R2201 ***	394.4	564.7	69.8	27.7																	

Items: 2 PCS: 2 Weight: 57851.2 KG

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.