



# Test Certificate

12400 Highway 43 North, Axis, Alabama 36505, US

**WARNING:** This product can expose you to chemicals including nickel and nickel compounds, which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Form TC1: Revision 4: Date 6 Feb 2019

<b>Customer:</b>	<b>Customer P.O.No.:</b> V18606-52893	<b>Mill Order No.</b> 41-585711-05	<b>Shipping Manifest:</b> AR298700
	<b>Product Description:</b> CSA G40.21(13/18)44W/300W / ASTM A36(19) A709(18)36/ASME SA36(19)		<b>Ship Date:</b> 29 Nov 19 <b>Cert Date:</b> 29 Nov19
	<b>Size:</b> 2.000 X 96.00 X 240.0 (IN)		

Tested Pieces:				Tensiles:					Charpy Impact Tests					BDWTT Tst %Shr						
Heat Id	Piece Id	Piece Dimensions	Tst Loc	YS (KSI)	UTS (KSI)	%RA	Elong % 2in 8in	Tst Dir	Hardness	Abs. Energy(FTLB) 1 2 3 Avg					% Shear 1 2 3 Avg				Tst Tmp	Tst Dir
W9K611	D36	2.004 (DISCRT)	L	48	76		34	T												

Heat Id	Chemical Analysis																ORGN
	C	Mn	P	S	Si	Tot Al	Sol Al	Cu	Ni	Cr	Mo	Cb	V	Ti	B	N	
W9K611	.17	1.04	.007	.002	.20	.026	.025	.27	.14	.09	.04	.001	.022	.001	.0001	.0071	USA

KILLED STEEL  
 MERCURY IS NOT A METALLURGICAL COMPONENT OF THE STEEL AND NO MERCURY WAS INTENTIONALLY ADDED DURING THE MANUFACTURE OF THIS PRODUCT.  
 KILLED STEEL, PRODUCED TO A FINE GRAIN PRACTICE  
 MTR EN 10204:2004 INSPECTION CERTIFICATE 3.1 COMPLIANT  
 100% MELTED AND MANUFACTURED IN THE USA  
 NO WELD REPAIR HAS BEEN PERFORMED ON THIS MATERIAL.  
 PRODUCTS SHIPPED:  
 W9K611                      D36                      PCES:    3, LBS:    39204

(P)                      Cust Part #:    200096240A36	WE HEREBY CERTIFY THAT THIS MATERIAL WAS TESTED IN ACCORDANCE WITH, AND MEETS THE REQUIREMENTS OF, THE APPROPRIATE SPECIFICATION	<u>Justin Ward</u> SENIOR METALLURGIST - PRODUCT
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