



Test Certificate

13609 Industrial Road, Houston, TX 77015, 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.

Form TC1: Revision 4: Date 6 Feb 2019

Customer P.O.No.: P0232103-01		Mill Order No. 41-669916-01		Shipping Manifest: HT138615	
Product Description: ASTM A36(19)/A709(21)36/ASME SA36(21) AASHTO M270(20)36				Ship Date: 30 Mar 22	
				Cert Date: 30 Mar 22	
Size: 0.250 X 96.00 X 240.0 (IN)				Cert No: 031246903 (Page 1 of 1)	

Tested Pieces:			Tensiles:					Charpy Impact Tests					BDWTT										
Heat Id	Piece Id	Tested Thickness	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	Tst Siz (mm)	BDWTT Tmp %Shr		
W1K736	0171	0.250 (T.L.C)	L	52	68		34	T															
			C	49	67		34	T															
W1K736	0176	0.250 (T.L.C)	L	52	68		37	T															
			C	53	69		35	T															
W1K737	0221	0.250 (T.L.C)	L	52	69		37	T															
			C	53	69		34	T															

Heat Id	Chemical Analysis																ORGN
	C	Mn	P	S	Si	Tot Al	Cu	Ni	Cr	Mo	Cb	V	Ti	B	N		
W1K736	.17	.83	.009	<.001	.04	.044	.24	.13	.11	.04	.004	.004	.012	.0001	.0077	USA	
W1K737	.17	.84	.010	<.001	.06	.046	.26	.12	.13	.03	.004	.004	.013	.0001	.0058	USA	

KILLED STEEL
 MERCURY IS NOT A METALLURGICAL COMPONENT OF THE STEEL AND NO MERCURY WAS INTENTIONALLY ADDED DURING THE MANUFACTURE OF THIS PRODUCT.
 MTR EN 10204:2004 INSPECTION CERTIFICATE 3.1 COMPLIANT
 100% MELTED, Poured, AND ROLLED IN THE USA
 MATERIAL MARKED BELOW WITH AN ASTERISK IS PRODUCED FROM COIL PRODUCTS SHIPPED:
 * W1K737 0221 PCES: 3, LBS: 4902 * W1K736 0174 PCES: 2, LBS: 3268
 * W1K736 0175 PCES: 21, LBS: 34314

(P) Cust Part #: PL1496240DA	WE HEREBY CERTIFY THAT THIS MATERIAL WAS TESTED IN ACCORDANCE WITH, AND MEETS THE REQUIREMENTS OF, THE APPROPRIATE SPECIFICATION	Jason Thomas Director Technical Services
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