



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 5: Date 22 Aug 2022

	Customer P.O.No.: 4500539801	Mill Order No. 41-691678-03	Shipping Manifest: HT142044
	Product Description: ASTM A36(19)/A709(21)36/ASME SA36(21) AASHTO M270(20)36		Ship Date: 09 Jan 23 Cert Date: 09 Jan 23
	Size: 0.750 X 60.00 X 120.0 (IN)		Cert No: 031254642 (Page 1 of 1)

Tested Pieces:				Tensiles:					Charpy Impact Tests												
Heat Id	Piece Id	Tested Thickness	Tst Loc	YS (KSI)	UTS (KSI)	%RA	Elong % 2in 8in	Tst Dir	Hardness	Abs. Energy(FTLB)				% Shear			Tst Temp	Tst Dir	Tst Siz (mm)	BDWTT Tmp %Shr	
M2I799	C05	0.750 (DISCRT)	L	44	67		47	T		1	2	3	Avg	1	2	3	Avg				
W2K589	B48	0.749 (DISCRT)	L	50	70		42	T													
W2K787	B15	0.746 (DISCRT)	L	50	65		54	T													

Heat Id	Chemical Analysis																ORGN
	C	Mn	P	S	Si	Tot Al	Cu	Ni	Cr	Mo	Cb	V	Ti	B	N		
M2I799-C05	.16	.81	.009	.001	.03	.035	.31	.17	.12	.02	.002	.002	.014	.0002	.0084	USA	
W2K589	.18	.85	.006	.001	.05	.039	.20	.13	.11	.03	.003	.004	.016	.0003	.0082	USA	
W2K787	.05	1.18	.008	.002	.29	.029	.31	.16	.12	.03	.004	.003	.012	.0001	.0067	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
 PRODUCTS SHIPPED:
 W2K787 B15 PCES: 6, LBS: 9186 W2K589 B48 PCES: 16, LBS: 24496
 M2I799 C05 PCES: 7, LBS: 10717

(P) Cust Part #:722460120	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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