



# 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 5: Date 22 Aug 2022

Customer:

Customer P.O.No.:HOU-11186

Mill Order No. 41-728976-02

Shipping Manifest: AR396686

Product Description: ABS (2024) GR A / GR B

ASTM A36(19)/A709(21)36/ASME SA36(23)

ASTM A283-C(18)/ASME SA283-C(23)

CSA G40.21(13/18)38W/260W;0.80-0.90% MN

Ship Date: 29 Feb 24  
Cert Date: 29 Feb 24

Cert No: 081161554  
(Page 1 of 1)

Size: 0.250 X 96.00 X 480.0 (IN)

Heat Id	Piece Id	Tested Thickness	Tst Loc	YS (KSI)	UTS (KSI)	%RA	Elong %		Tst Dir	Hardness	Abs. Energy(FTLB)			Tst Tmp	Tst Dir	Tst Siz (mm)	BDWTT Tmp %Shr		
							2in	8in			1	2	3					Avg	
E4B202	B03	0.194 (DISCRT)	L	60	71		37		T										
E4B202	B06	0.254 (DISCRT)	L	61	69		39		T										
Heat																			
Chemical Analysis																			
E4B202	C	Mn	P	S	Si	Total Sol Al	Cu	NI	Cr	Mo	Cb	V	TI	B	N	Cev	ORGN		
		.06	.85	.013	.001	.29	.034	.034	.32	.12	.16	.04	.000	.003	.018	.0001	.0083	.20	USA

KILLED STEEL  
 MERCURY IS NOT A METALLURGICAL COMPONENT OF THE STEEL AND NO MERCURY WAS INTENTIONALLY ADDED DURING THE MANUFACTURE OF THIS PRODUCT.  
 WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN MADE BY SSAB AMERICAS BY THE ELECTRIC FURNACE / STRAND CAST PROCESS AND TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AMERICAN BUREAU OF SHIPPING RULES WITH SATISFACTORY RESULTS.  
 CEV = C + MN/6  
 KILLED STEEL, PRODUCED TO A FINE GRAIN PRACTICE  
 MTR EN 10204:2004 INSPECTION CERTIFICATE 3.1 COMPLIANT  
 100% MELTED, Poured, AND ROLLED IN THE USA  
 NO WELD REPAIR HAS BEEN PERFORMED ON THIS MATERIAL.  
 E4B202 B01 PCS: 13, LBS: 42471

(P) Cust Part #:

WE HEREBY CERTIFY THAT THIS MATERIAL WAS TESTED IN ACCORDANCE WITH, AND MEETS THE REQUIREMENTS OF, THE APPROPRIATE SPECIFICATION.

  
**Jason Thomas**  
 Director Technical Services