



Long Products Group
 Structural and Rail Division
 601 S. County Road 700 East
 Columbus City, Indiana 46725
 (80) 625-8100 (260) 625-8950 FAX

CERTIFIED MILL TEST REPORT

Ship to: Customer # 000320

4415 Linton Drive
 Houston TX, 77029 US
 Attn: Gabe Siegel (800-675-9929)

Houston TX, 77213 US
 Attn: Accounts Payable

Printed: 09 / 29 / 2023
 Produced: 09 / 23 / 2023

GENERAL INFORMATION		SPECIFICATIONS		SHIPMENT DETAILS	
Product	Wide Flange Beam	Standards	ASTM A6/A36M - 22	Bundle / ASN #	061946475
Size	W14X30		ASTM A992/A992M - 22	Length	60' 0"
	W360X44		ASTM A572/A572M - 21	pcs	8
Heat Number	A234754		ASTM A709/A709M - 21	Cust PO	SSW138715
Condition(s)	As-Rolled		AASHTO M270M/M270 - 20	Job/Ref	
	Fine Grained		CSA G40.21-13	Part/Ref	
	Fully Killed		ASTM A36/A36M - 19		
	No Weld Repair				
				BOL #	0000792446 - 14400.00 lbs

CHEMICAL ANALYSIS (weight percent)

C	Mn	P	S	SI	Cu	NI	Cr	Mo	Sn	V	Nb/Cb	Al	N	B	*CE1	*CE2	*CE3	*I	Analysis Type
.08	1.26	.010	.016	.23	.30	.11	.11	.03	.012	.032	.001	.002	.0112	.0004	.35	.390	.31	5.61	Heat

MECHANICAL TESTING

Test	Yield (fy) Strength ksi / MPa	Tensile (fu) Strength ksi / MPa	fy / fu ratio	% Elong. (8" gage)	Temp		
					F / C	Specimen 1	Specimen 2
1	55 / 380	75 / 515	.74	26			
2	57 / 395	75 / 515	.76	29			
3							
4							

CHARPY IMPACT TESTS (available only when specified at time of order)

Test	Temp	F / C	Absorbed Energy ft-lbf / J		
			Specimen 1	Specimen 2	Specimen 3
1					
2					
3					
4					
5					
6					
7					

Notes: *Calculated Chemistry Values: Carbon Equivalents (C1, C2, C3, PC), Corrosion Index (R) (ASTM G101)= 26.0(Cu)+3.66(Ni)+1.20(Cr)+1.49(Si)+17.29(P)+7.28(Cu/Mn)+9.10(Ni/P)+33.39(Cu)²
 CE1 (Mn)-(C+Mo+V)/5+(Ni+Cu)/15 CE2 (AWB)-C-(Mn+Si)/6+(Cr+Mo+V)/5+(Ni+Cu)/15 CE3 (CET) = C + (Mn/6) + (Si/24) + (Ni/40) + (Mo/4) + (V/14)

I hereby certify that the material described herein has been made to the applicable specification by the electric arc furnace/continuous cast process and tested in accordance with the requirements of American Bureau of Shipping Rules with satisfactory results.

Signed:

I hereby certify that the content of this report are accurate and correct. All tests and operations performed by this material manufacturer are in compliance with the requirements of the material specifications and applicable purchaser designated requirements.

Signed: **Doug Blomeke** *Doug Blomeke*
 Quality Manager

State of Indiana, County of Whitley Sworn to and subscribed before me
 this _____ day of _____

Signed: _____ My commission expires: _____
 Notary Public