## Steel Dynamics, Inc. Long Products Group Structural and Rail Division

## **CERTIFIED MILL TEST REPORT**

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oduced: 11 / 08 / 2022

2601 S. County Road 700 East Columbia City, Indiana 46725 (260) 625-8100 (260) 625-8950 FAX

Quality Steel 100% EAF Melted and Manufactured in the USA n: ece v ng

ISO 9001:2015 and ABS Certified CMTR complies with EN 10204 3.1

GENERAL INFORMATION Standards								Grades*	SHIPMENT DETAILS			В	BOL # 0000743878 - 7680.00 lbs						
		Wide Flange Beam		*\$[				- 20 21 21 21 0 - 20 19 s of ASTM	A572 gr50/gr345 A709 gr50/gr345					<b>Length</b> 40' 0"	pcs Cust PO 2 4500539342		Job/Ref		Part/Ref
CHEN	IICAL A		SIS (weigh			6; AASH	110 M270-t	o0 and M2	70-36; CSA	. 300vv, 345	ow and 350w.								
С	Mn	Р	S	Si	Cu	Ni	Cr	Мо	Sn	V	Nb/Cb	ΑI	N	В	*CE1	*CE2	*CE3	*	Analysis Type
.08	1.36	.008	.018	.22	.22	.12	.10	.03	.008	.042	<.001	.003	.0069	.0004	.36	.400	.33	4.93	Heat
1 2 3 4	57 / 3 57 / 3		72 / 4 74 / 5		.79 .77		27 24	2 3 4 5 6 7											
ereby c	ertify that	r+Mo+V)/5+0 the materi electric ar	(Ni+Cu)/15 CE ial described rc furnace/ce	2 (AWS)= d herein h ontinuou		de to the ss and t vith satis	)/5+(Ni+Cu)/ e applicab ested in ac sfactory re	le ccordance	ET} = C + (N		Ni)+1.20(Cr)+1.4 ABS (		//14)	9.10(Ni)(P)-33.	39(Cu²)				
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.												State of Indiana, County of Whitley Sworn to and subscribed before me							
peratio		ne materia	al specifica	itions an	a applicable	e purch	asei uesi		40		this		gay c	)					