

NUCOR STEEL - BERKELEY  
 14455 Hagan Avenue  
 Ridger, SC 29450  
 Phone: (843) 336-6000

CERTIFIED MILL TEST REPORT

2/18/23 15:42:39  
 100% EAF MELTED AND MANUFACTURED IN THE USA  
 Structural sections produced by Nucor-Berkeley are cast  
 and hot rolled to a fully killed and fine grain practice,  
 Mercury not intentionally added at any point during manufacturing.

SHIP TO: LONGVIEW WAREHOUSE  
 4750 WEST MARSHALL AVE  
 LONGVIEW, TX 75604  
 Customer #: 472 - 14  
 B.O.I. H...: 1680561  
 MOS: T

MANHATTAN, KS 66505  
 SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-21 and A370-21. Tested in accordance with EN10204-2004-3.1.

RASTD : M270-50-19  
 Quality Manual Rev H16 (4-30-21).  
 ASTM : A992-22/A529-19-50/A5725021T1/A7095021

Description	Heat	Yield/	Yield	Tensile	Elong	C	Mn	P	S	Si	Cu	Ni	CE1
Part #	Grade(s)	Tensile	(PSI)	(PSI)	%	Cr	Mo	Sh	B	V	Nb	CI	CE2
	Test/Heat	Ratio	(MPa)	(MPa)		***	Ti	***	***	N	***		PCm
W12X14	2215394	.82	55900	67900	30.00	.07	.86	.007	.020	.19	.19	.08	.25
020' 00.00'	A992-22	.83	385	468	29.00	.05	.03	.0070	.0003	.002	.014	4.41	.2801
W310X21.0			56000	67600			.001			.0061			1.340
006.0960m			386	466									
3712140020													

Elongation based on 8" (20.32cm) gauge length. 'No Weld Repair' was performed.  
 CI = 26.01Cu+3.88Ni+1.20Cr+1.49Si+17.28P-(7.29CuXNi)-(9.10NiXP)-33.39(CuXCu)  
 PCm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B  
 CE1 = C+(Mn/5)+((Cr+Mo+V)/5)+((Ni+Cu)/15)  
 CE2 = C+(Mn+Si)/6)+((Cr+Mo+V+Cb)/5)+((Ni+Cu)/15)

Nucor certifies that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with material specifications, and when designated by the purchaser, meet applicable specifications.

Dmitri Nassyrov  
 Metallurgist/  
 Quality Control

