

CERTIFIED MILL TEST REPORT
 1/11/23 21:01:45
 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.

**LAND 15
 NUCOR STEEL - BERKELEY
 1455 Hagan Avenue
 Huger, SC 29450
 Phone: (843) 336-6000

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

ASHTO : M270-345M270-50-19
 Quality Manual Rev #16 (4-30-21).
 ASTM : A992-22; A529-19-50/A575021M1/A7095021

Description	Test/Heat	JW	Ratio	Yield/Tensile	Elong	C	Mn	P	S	Si	Cu	Ni	CE1
Part #	Grade(s)			(MPa)	%	*****	MO	*****	B	V	Nb	*****	CE2
				(PSI)		*****	TI	*****	N	N	*****	CI	Pcm
W5X19	2300196		.82	54500	24.00	.07	.86	.006	.016	.24	.11	.04	.23
040' 00.00"	A992-22		.83	375	457	.03	.01	.0048	.0003	.002	.031	3.11	.2765
W130X28.1				375	454	12 Pc(s)	9,120 lbs	Customer PO: SSW130614					.1288
012.1920m													
W8X10	2217374		.87	63000	22.00	.07	.82	.006	.021	.24	.19	.10	.25
035' 00.00"	A992-22			434	0	.09	.04	.0070	.0002	.004	.029	4.56	.2972
W200X15.0			.87	63200	29.00	.001	.001	.0065	.0045	.0065			.1366
010.6680m				436	499	12 Pc(s)	4,200 lbs	Customer PO: SSW132891					

5 Heat(s) for this MTR.

Elongation based on 8" (20.32cm) gauge length. 'No Weld Repair' was performed. "All mechanical testing is performed by the Quality testing lab, which is independent of the production departments"
 CI = 26.01Cu+3.88Ni+1.20Cr+1.49Si+17.28P-(7.29Cu*Ni)-(9.10Ni*P)-33.39(Cu*Cu)
 Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
 CE1 = C+(Mn/6)+((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 Massyrov
 Metallurgist/
 Quality Control

**END