

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

CERTIFIED MILL TEST REPORT

3/30/22 10:11:38

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.

Customer #: 808 - 1
 Customer PO: P023227611
 B.o.L. #: 1621071

MOS: T

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-21 and A370-21. Tested in accordance with EN10204-2004-3.1. Quality Manual Rev #16 (4-30-21).

AASHTO : M270-345M270-50-19

ASME : SA-36 13

ASTM : A992-20/A36-19/A529-19-50/A5725021T1/A7093621/A7095021

CSA : G40.21-44w/G40.21-50w/G40.215DWM

Description Part #	Heat# Grade(s) Test/Heat JW	Yield/ Tensile Ratio	Yield (PSI) (MPa)	Tensile (PSI) (MPa)	Elong %	C Cr *****	Mn Mo Ti	P Sn *****	S B *****	Si V N	Cu Nb *****	Ni ***** CI	CE1	CE2	
													Pcm		
W8X10 020' 00.00" W200X15.0 006.0960m	1203623 A992-20	.84	57700 398	69100 476	26.11	.07 .03	.87 .02 .001	.006 .0061	.018 .0003	.21 .002 .0060	.12 .013	.05 3.17	.23 .2719 .1289		
														Customer PO: P023227611	BoIH: 1621071
W8X10 020' 00.00" W200X15.0 006.0960m	1203628 A992-20	.82	57800 399	70500 486	25.58	.07 .04	.87 .01 .001	.006 .0164	.020 .0003	.21 .002 .0058	.14 .017	.04 3.56	.23 .2711 .1281		
														Customer PO: P023227611	BoIH: 1621071
W8X15 020' 00.00" W200X22.5 006.0960m	1203467 A992-20	.83	56200 387	67800 467	26.94	.07 .05	.80 .02 .001	.007 .0046	.017 .0003	.24 .002 .0056	.09 .027	.04 2.80	.23 .2721 .1295		
														Customer PO: P023227611	BoIH: 1621071

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 Nassyrov
 Metallurgist/
 Quality Control

