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

CERTIFIED MILL TEST REPORT

1/17/23 18:33:03

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 #.: 472 - 4

B.o.L. #...: 1674128

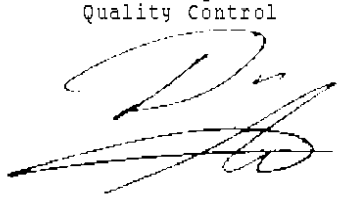
MANHATTAN, KS 66505 — CATOOSA, OK 74015 — MOS: I

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
ASTM : A992-22;/A529-19-50/A5725021T1/A7095021

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
W10X45	2216975	.78	56400	72400	25.00	.07	1.02	.008	.026	.25	.22	.14	.28
020' 00.00"	A992-22		389	499		.08	.03	.0079	.0003	.002	.028		.3302
W250X67		.77	54800	70800	26.00		.001			.0066		4.98	.1468
006.0960m			378	488	6 Pc(s)	5,400 lbs		Customer PO: 4500543352		BoL#: 1674128			
3710450020													

Elongation based on 8" (20.32cm) gauge length. 'No Weld Repair' was peformed.
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)

"All mechanical testing is performed by the Quality testing lab, which is independent of the production departments"
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