

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

CERTIFIED MILL TEST REPORT

11/13/23 23:35:20

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 - 14

B.O.L. #...: 1730384

MOS: T

MANHATTAN, KS 66505

LONGVIEW, TX 75604

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-22 and A370-22. Tested in accordance with EN10204-2004-3.1.
 Quality Manual Rev #19 (11-30-22).

AASHTO : M270-50-23

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

CSA : G40,2150WM

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
S8X18.4 020' 00.00"	2308897 A992-22	.83	57800 399	69700 481	26.00	.07 .05	1.07 .01	.010 .0038	.018 .0004	.25 .002 .0041	.06 .030	.05	.26 .3114 .1389
S200X27.4 006.0960m 358184020		.83	58000 400	69700 481	27.00 22 Pc(s)		8,096 lbs	Customer PO: 4500563293				2.16	

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 = $26.01Cu + 3.88Ni + 1.20Cr + 1.49Si + 17.28P - (7.29Cu \times Ni) - (9.10Ni \times P) - 33.39(Cu \times Cu)$

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.

Emma Summers
 Metallurgist/
 Quality Control

Emma Summers