

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

CERTIFIED MILL TEST REPORT

12/19/22 17:05:31

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. #.: 1669425

MOS: T

MANHATTAN, KS 66505

LONGVIEW, TX 75604

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

ASIM : A992-22/A529-19-50/A5725021T1/A7093621/A7095021

CSA : G40,21-44w/G40,21-50w/G40,2150WM

Description Part #	Heat# Grade(s) Test/Heat JW	Yield/ Tensile Ratio	Yield (PSI) (MPa)	Tensile (PSI) (MPa)	Elong %	C	Mn	P	S	Si	Cu	Ni	CE1
						Cr *****	Mo Ti	Sn *****	B *****	V N	Nb *****	***** CI	CE2 Pcm
CBX11.5	2217078	.84	61000	72200	28.00	.07	.86	.007	.022	.17	.21	.08	.24
025' 00.00"	A992-22		421	498		.05	.02	.0078	.0002	.002	.029		.2789
C200X17.1		.85	61300	71900	27.00		.001			.0067		4.58	.1326
007,6200m			423	496	72	PC(s)	20,700 lbs	Customer PO: 4500541493		BoL#: 1669425			
256115025													

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

CI = 26.01Cu+3.88Ni+1.20Cr+1.49Si+17.28P-(7.29Cu*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

