

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

CERTIFIED MILL TEST REPORT

11/14/21 10:15:28

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. #...: 1595004

MOS: T

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-19 and A370. 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 : A992-11(15); A36-19/A529-19-50/A5725018T1/A7093618/A7095018

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
S3X7.5 020' 00.00" S75X11.2 006.0960m 35375020	2118956 A992-11(15)	.82	57000 393	69900 482	27.48	.07 .04	1.01 .01	.010 .0057	.018 .0002	.24 .002	.14 .028	.03 3.62	.26 .3017 .1356
70 Pc(s) 10,500 lbs Customer PO: 4500511101 BoL#: 1595004													
S4X7.7 040' 00.00" S100X11.5 012.1920m 35477040	2118570 A992-11(15)	.82	56300 388	68300 471	26.86	.07 .05	.83 .01	.009 .0064	.023 .0002	.20 .002	.16 .028	.04 4.02	.24 .2753 .1321
120 Pc(s) 36,960 lbs Customer PO: 4500516966 BoL#: 1595004													

2 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 =  $26.01Cu + 3.88Ni + 1.20Cr + 1.49Si + 17.28P - (7.29Cu \times Ni) - (9.10Ni \times P) - 33.39(Cu \times Cu)$

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.

Dmitri Nassyrov  
 Metallurgist/  
 Quality Control

