

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

CERTIFIED MILL TEST REPORT

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.

11/17/21 0:50:31

4720 WEST WINDSOR ROAD

LONGVIEW, TX 75604

MANHATTAN, KS 66505

Customer H.: 472 - 14

B.O.I. #: 1595661

MOS: I

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).

ASBIO : 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/ Ratio	Yield/ Ratio	Elong %	C *****	Mn Mo Ti	P Sn *****	S B *****	Si V N	Cu Nb *****	Ni ***** CI	CE1 CE2 Pcm
S4X7.7 020' 00.00' S100X11.5 006.0960m 35477020	2118586 A992-11(15)	.82	.82	30.70	.07 .09	.85 .01 .001	.012 .0074	.020 .0002	.21 .003 .0050	.18 .031	.04	.24 .2846 .1326
Customer PO: 4500510916 BOLH: 1595661 9,240 lbs												

S4X7.7 020' 00.00' S100X11.5 006.0960m 35477020	2118582 A992-11(15)	.84	.84	30.82	.07 .08	.87 .01 .001	.012 .0070	.021 .0002	.21 .003 .0051	.16 .029	.04	.24 .2834 .1304
Customer PO: 4500512601 BOLH: 1595661 6,776 lbs												

S4X7.7 020' 00.00' S100X11.5 006.0960m 35477020	1118579 A992-11(15)	.82	.82	26.54	.07 .06	.82 .01 .001	.010 .0042	.018 .0002	.21 .002 .0044	.09 .030	.03	.23 .2694 .1270
Customer PO: 4500512601 BOLH: 1595661 2,464 lbs												

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 Elongation based on 8" (20.32cm) Gauge length. 'No Weld Repair' was performed. 'All mechanical testing is performed by the Quality  
 CI = 26.01Cu+3.88Ni+1.20Cr+1.49Si+17.28P-(7.29CuXNi)-(9.10NiXP)-33.39(CuXCu) testing lab, which is independent of the production  
 Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B departments.  
 CE1= C+(Mn/6)+((Cr+Mo+V)/5)+((Ni+Cu)/15) CE2 = C+((Mn+Si)/5)+((Cr+Mo+V+Cb)/5)+((Ni+Cu)/15)  
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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

6 Heat(s) for this MTR.

