

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

CERTIFIED MILL TEST REPORT

1/26/23 18:36:43
 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 H.: 472 - 14
 Ship To: LONGVIEW WAREHOUSE Customer H.: 472 - 14
 4750 WEST MARSHALL AVE B.O.I. H.: 1676017 MOS: I
 LONGVIEW, TX 75604

MANHATTAN, KS 66505

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-21 and A370-21. Tested in accordance with EN10204-2004-3.1.
 Quality Manual Rev H16 (4-30-21).

RAAHD : M270-50-19
 ASTM : A992-22; A529-19-50/A5725021I/A7095021

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 *****	Ti	Mo	Sn *****	B *****	N	V	Nb *****	CI *****	CE2	Pcm					
S4X7.7 020, 00.00, S100X11.5 006.0960m 35477020	2300823 A992-22		.85	58800 405	68900 475	28.00	.07 .05	.83 .02 .001	.005 .0051	.020 .0002	.21 .002 .0049	.12 .025	.04	.23 .2694 .1259								
S4X7.7 020, 00.00, S100X11.5 006.0960m 35477020	2300827 A992-22		.85	58400 403	68900 475	28.00	.07 .05	.85 .01 .001	.005 .0049	.020 .0003	.24 .002 .0043	.12 .026	.04	.23 .2760 .1291								
S4X7.7 020, 00.00, S100X11.5 006.0960m 35477020	2300973 A992-22		.86	61000 421	70700 487	29.00	.06 .07	.84 .01 .001	.007 .0066	.021 .0002	.19 .002 .0062	.21 .028	.05	.24 .2755 .1295								

Customer PO: 4500540844 BOL# 1676017
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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)/6)+((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

