

3

1/26/23 18:36:43

CERTIFIED MILL TEST REPORT

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

100% FAF MELIED 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.

PO BOX 1686
 MANHATTAN, KS 66505

4750 WEST MARSHALL AVE
 LONGVIEW, TX 75604

Customer H.: 472 - 14
 B.O.I. H.: 1676017 MOS: T

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 : M270-50-19
 ASTM : A992-22/A529-19-50/A5725021I1/A7095021

Description Part #	Heat# Grade(s) Test/Heat JW	Yield/ Tensile Ratio	Yield/ Tensile (PSI) (MPa)	Yield Tensile (PSI) (MPa)	Elong (%)	C		Mn		P		S		Si		Cu		Ni		CE1 CE2 PCM
						Cr *****	Mo *****	Mn Mo Ti	P Sn *****	S B *****	Si V N	Cu Nb *****	Ni ***** CI							
S4X7.7 020, 00.00* S100X11.5 006.0960m 35477020	2300823 * A992-22	.85	58800 405	68900 473	28.00	.07 .05	.83 .02	.005 .0051	.020 .0002	.21 .002 .0049	.12 .025	.04	.23 .2694 .1239							
S4X7.7 020, 00.00* S100X11.5 006.0960m 35477020	2300827 * A992-22	.85	58400 403	68900 475	28.00	.07 .05	.85 .01	.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	.007 .0066	.021 .0002	.19 .002 .0062	.21 .028	.05	.24 .2755 .1295							

=====
 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-(7.29Cu*Ni)-(9.10Ni*P)-33.39(Cu*Cu) testing lab, which is independent of the production
 PCM = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/50)+(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 Nassurov
 Metallurgy
 Quality Control

