

NUCOR STEEL - BERKELEY
 14455 Hagan Avenue
 Redger, SC 29450
 Phone: (843) 336-6000

CERTIFIED MILL TEST REPORT

6/11/22 13:13:56
 100% ERF 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,
 killed at any point during manufacturing.

Customer #: 472 - 14
 B.O.I. #: 1635737
 MOS: 1

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).

RASTHD : m270-345M270-50-19
 ASME : SR-36 13
 ASTM : A992-201/A36-19/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 CI	CE1 CE2 DCM
						Cr	Mo	Ti	Sh	B	V	N	Mb	CI	CE1	CE2	DCM								
SAK7.7	2202342	.84	56900	68000	27.80	.07	.86	.007	.018	.23	.08	.03	.23										.23		
020', 00.00'	A992-20		392	469	27.47	.04	.01	.0035	.0002	.002	.031	.03	.2724										.2724		
S100K11.5		.85	58400	68500	27.47		.001			.0046			.1267										.1267		
006.0960m			403	472	21	pc(s)	3,234	Lbs	Customer	PO: 4500529834	BoH: 1635737														
35477020																									

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-(7.29CuKNI)-(9.10NiKPI)-33.39(CuKCu) 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/5)+((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

