

5/03/22 17:57:51

CERTIFIED MILL TEST REPORT

**LAND 15
NUCOR STEEL - BERKELEY
1455 Hagan Avenue
Huger, SC 29450
Phone: (843) 336-6000

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 #: 808 - 1
B.O.L. #: 1627385
MOS: T

Ship To: SUP
PO EOA 4388

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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 : m270-345M270-50-19
ASME : SA-36 13
ASTM : A992-20:/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)	Tensile (MPa)	Elong %	C		Mn		P		S		Si		Cu		Ni		CE1	
						Cr	Ti	Mo	Ti	Sn	B	V	Nb	CI	PCm						
S8X23	2205554	.81	56500	70000	27.53	.07	1.03	.008	.020	.24	.08	.04	.26	.08	.04	.26	.08	.04	.26	.08	.04
020' 00.00"	A992-20	.81	390	483		.03	.01	.0038	.0003	.002	.030	2.49	.0048	.002	.002	.030	2.49	.04	.26	.0305	
S200X34			396	487																.1358	
006.0960m							3,680 lbs														

W10x22	1205380	.84	57600	68700	27.66	.07	.82	.005	.022	.23	.13	.04	.23	.002	.028	.13	.04	.23	.002	.028	.13
020' 00.00"	A992-20	.84	397	474		.03	.01	.0063	.0002	.0047	.028	3.31	.0047	.002	.028	.028	3.31	.04	.2712	.002	.028
W250X32.7			396	471																	.1293
006.0960m							2,640 lbs														

W12x26	2204659	.79	56000	70800	24.17	.07	1.01	.010	.024	.26	.13	.05	.27	.003	.028	.13	.05	.27	.003	.028	.13
020' 00.00"	A992-20	.79	386	488		.08	.03	.0062	.0003	.0038	.028	3.58	.0038	.003	.028	.028	3.58	.05	.3166	.003	.028
W310X38.7			387	491																	.1393
006.0960m							6,240 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
CE1 = 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/60)+(Cr/20)+(Mo/15)+(V/10)+5B departments"
CE2 = C+(Mn+Si)/6)+((Cr+Mo+V+Cb)/5)+((Ni+Cu)/15)
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Customer PO: P023192011 BOL#: 1627385

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 Nassiyrov
Metallurgist/
Quality Control