

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

CERTIFIED MILL TEST REPORT

6/21/23 10:38:08  
 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 #: 472 - 4  
 B.O.L. H...: 1703375 MDS: I

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  
 CSA : G40.2150WM

Description Part #	Beath Grade(s) Test/Heat JW	Yield/ Tensile Ratio	Yield (PSI) (MPa)	Tensile (PSI) (MPa)	Elong %	C Cr xxxxx	Mn Mo Ti	P Sn xxxxx	S B xxxxx	Si V N	Cu Nb xxxxx	Ni xxxxx CI	CE1 CE2 PCM
WBX31	2306989	.80	56200	70500	28.00	.07	1.05	.010	.018	.21	.11	.04	.26
020, 00.00'	A992-22	.80	387	486		.04	.01	.0074	.0004	.002	.031		.3042
W200X46.1		.80	55100	68800	29.00		.001			.0051		3.04	.1385
006.0960m			380	474									

=====  
 Elongation based on 8' (20.32cm) gauge length. No Weld Repair, was performed. All mechanical testing is performed by the Quality testing lab, which is independent of the production departments.  
 CI = 26.01Cu+3.88Ni+1.20Cr+1.49Si+17.28P-(7.29CuXNi)-(9.10NiXp)-33.39(CuXCu)  
 PCM = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(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 Masurov  
 Metallurgist/  
 Quality Control

