

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

CERTIFIED MILL TEST REPORT

11/13/23 23:35:20
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.

Sold To:

Customer #.: 472 - 14

B.O.I. #.: 1730384

MDS: T

MANHATTAN, KS 66505

LONGVIEW, TX 75604

Tested in accordance with EN10204-2004-3.1.

SPECIFICATIONS: Tested in accordance with ASIM specification A6/A6M-22 and A370-22. Tested in accordance with EN10204-2004-3.1.

ARSETO : M270-50-23

ASIM : A992-22/A529-19-50/A5725021T1/A7095021

CSA : G40.2150WM

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Description															
Part #															
Heat#															
Grade(s)															
Test/Heat JW															
Yield/ Tensile Ratio															
Yield (PSI)															
Tensile (PSI)															
Yield Tensile (MPa)															
Elong &															
C															
Cr															

Mn															
Mo															
Ti															
P															
Sn															

S															
B															

Si															
V															
N															
Cu															
Nb															

Ni															

CI															

CE1															
CE2															
PCM															
=====															

W16x31	2313808	.83	57400	68800	26.00	.07	.84	.009	.019	.17	.13	.03	.23
020' 00.00'	A992-22		396	474		.04	.01	.0050	.0001	.002	.030		.2619
W410x46		.78	53100	68400	26.00		.001			.0058		3.34	.1250
006.0960m			366	472	12 pc(s)								
3716310020					7,440 lbs			Customer	PO: 4500563299	BoH: 1730384			

Customer PO: 4500563299 BolH: 1730384

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Flongation 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-(7.29Cu+Ni)-(9.10Ni+P)-33.39(Cu+Cu)

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)

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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.

Emma Summers
Metallurgist/
Quality Control

Emma Summers