

6/12/23 22:16:00

CERTIFIED MILL TEST REPORT

100% IAF 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 - 14

B.O.I. #: 1701660 MOS: I

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

Ship to: _____

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MANHATTAN, KS 66505
 LONGVIEW, TX 75604

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).

RASHID : M270-50-19
 ASTM : A992-22/A529-19-50/A572502111/A7095021
 CSA : G40.2150WM

Description Part #	Heat Grade(s) Test/Heat JW	Yield/ Tensile Ratio	Yield Tensile (PSI)	Yield Tensile (MPa)	Elong %	Chemical Composition										
						C	Cr	Mn	P	S	Si	Cu	Ni	CE1		
W8X24	1307421	.82	57200	70000	26.00	.07	.04	1.05	.008	.022	.27	.10	.04	.26		
030' 00.00'	A992-22	.81	394	483	26.00	.04	.01	.01	.0054	.0005	.002	.031	2.95	.3095		
W200X35.9			57000	70300	26.00						.0041			.1377		
009.1440m			393	485												
378240030			Customer PO: 4500551103			Customer PO: 1,440 lbs		Customer PO: 1701660								

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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 testing lab, which is independent of the production departments.
 CE1 = C + ((Mn+Si)/5) + ((Ni+Cu)/15)
 CE2 = C + ((Mn+Si)/6) + ((Cr+Mo+V+Cb)/5) + ((Ni+Cu)/15)
 PCm = C + (Si/30) + (Mn/20) + (Cu/20) + (Ni/60) + (Cr/20) + (Mo/15) + (V/10) + 5B
 CI = 26.01Cu + 3.88Ni + 1.20Cr + 1.49Si + 17.28P - (7.29Cu x Ni) - (9.10Ni x P) - 33.39(Cu x Cu)
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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.

Dmitri Nassyrov
 Metallurgist/
 Quality Control

