

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

CERTIFIED MILL TEST REPORT

10/20/22 16:10:17
 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,
 Mercury not intentionally added at any point during manufacturing.

Customer #: 472 - 14
 B.O.I. #: 1660643
 MOS: 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 H16 (4-30-21).

RASTHO : m270-345M270-50-19
 ASTM : A992-20/A36-19/A529-19-50/A5725021T1/A7093621/A7095021
 CSR : G40,21-44w/G40,21-50w/G40,2150wM

Part #	Description	Heat Grade(s)	Test/Heat JW	Yield/ Tensile Ratio	Yield (PSI) (Mpa)	Tensile (PSI) (Mpa)	Elong %	C Cr	Mn Mo Ti	P Sb	S B	Si V N	Cu Nb	Ni Cl	CE1 CE2 Pcm
W8X21	020' 00.00'	2214344	A992-20	.84	59000	70100	28.00	.07	.85	.011	.014	.20	.20	.06	.23
W200X31.3	006.0960m	407	483	.84	58500	69900	29.00	.03	.01	.0080	.0002	.002	.029	4.56	.2737
378210020		403	482		403	482	25 Pct(s)	21,000 lbs	.001	Customer PD: 4500538668	BolH: 1660643				.1299

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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
 CI = 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"
 CE1 = C+(Mn/5)+((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.

Dmitri Nassyrov
 Metallurgist/
 Quality Control

