

NUCOR STEEL - BERKELEY
 P.O. Box 2259
 Mt. Pleasant, S.C. 29464
 Phone: (843) 336-6000

CERTIFIED MILL TEST REPORT

10/28/16 10:39:17
 100% EAF MELTED AND MANUFACTURED IN THE USA
 All beams produced by Nucor-Berkeley are cast and
 rolled to a fully killed and fine grain practice.
 Mercury has not been used in the direct manufacturing of this material.

Sold To: PLESA ANRUAC Y CIA SA DE CV
 AVE VALLE DE LES ALAMEDAS
 NO 66-0
 TULITLILAN, EM 54940

Ship To: PORI OF IAMPICO
 TERMINAL MUELLES FISCALES
 CPT MUELLES FISCALES, IM
 IAMPICO, IM 89000

Customer #: 3926 - 2
 Customer PO: 24452
 B.O.L. #: 1211343
 Invoice #: 1775311 MDS: B

SPECIFICATIONS: Tested in accordance with ASIM specification A6/A6M-16 and A370. Quality Manual Rev #6 (12-8-15).
 AASHTO: M270-345M270-50-10
 ASME: SA-36-13
 ASIM: A992-11(15)/A36-14/A529-14-50/A572 5015/A709-5016a
 CSA: G40.21-50w/G40.2150w/G40.2150wMI

Part #	Description	Heat	Grade(s)	Yield/ Tensile Ratio	Yield (PSI)	Tensile (MPa)	Elong %	C	Cr	Mn	Mo	Ni	P	S	Si	V	Cu	Nb	Ni	CE1	CE2	PCM
W8X9	060, 00.00*	2614013	A992-11(15)	.82	56100	68200	25.50	.07	.03	.82	.01	.02	.007	.025	.22	.003	.10	.015	.02	.22	.2584	.1238
W150X13.5	018.2880m			.82	387	470	144	PC(s)														
W8X24	040, 00.00*	2612450	A992-11(15)	.77	58000	75100	22.55	.07	.08	1.04	.02	.08	.010	.027	.23	.004	.20	.028	.08	.28	.3232	.1460
W200X35.9	012.1920m			.81	60200	74700	23.96	.08					.0099	.0003	.0060							
W8X31	040, 00.00*	1612200	A992-11(15)	.80	55100	69300	27.34	.07	.07	1.09	.01	.04	.009	.028	.26	.004	.16	.030	.04	.28	.3294	.1461
W200X46.1	012.1920m			.80	55100	68600	23.64	.07					.0065	.0004	.0053							
W8X31	040, 00.00*	1612204	A992-11(15)	.80	55600	69200	25.15	.07	.07	1.04	.01	.04	.009	.032	.26	.004	.16	.029	.04	.27	.3181	.1412
W200X46.1	012.1920m			.79	54300	68400	23.71	.07					.0067	.0004	.0049							

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 Elongation based on 6" (20.32cm) gauge length. 'No Weld Repair' was performed. Hg free and no contact with Hg during manufacture.
 CE1 = 26.0(Cu+3.88Ni+1.20Cr+1.49Si+1.728P-(7.29CuXNi)-(9.10NiXp)-33.39(CuXCu))
 CE2 = C+(Mn/6)+(Cr+Mo+V)/5)+(Ni+Cu)/15
 PCM = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5E
 I hereby certify 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.
 Bruce A. Work
 Metallurgist/
 Quality Control

