

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

CERTIFIED MILL TEST REPORT

10/28/16 10:39:17
 100% IAF 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 ANAHUAC Y CIA SA DE CV
 AVE VALLE DE LES ALAMEDAS
 NO 66-0
 TULUILLAN, EM 54940

Ship To: PORT OF TAMPICO
 TERMINAL MUELLES FISCALES
 CPI MUELLES FISCALES, TM
 TAMPICO, TM 89000

Customer #.: 3925 - 2
 Customer PO: 24452
 B.O.I. #.: 1231343
 Invoice #.: 1775311 MOS: B

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-16 and A370, Quality Manual Rev #6 (12-8-15).
 RASHD : #270-345M270-50-10
 ASME : SA-36 13
 ASIM : A992-11(15)/A36-14/A529-14-50/A572 5015/A709-5016a
 CSA : G40.21-50w/G40.2150WM/G402150WMT

Description Part #	Heat Grade(s) Test/Heat JW	Yield/ Tensile Ratio	Yield (PSI) (MPa)	Tensile (PSI) (MPa)	Elong (%)	C *****	Mn Mo Ti	P Sn *****	S B *****	Si V N	Cu Ni NB ***** CI	CE1 CE2 Pcm	*****	
													PC(s)	lbs
W12x30	2612630	.79	59800	75500	22.66	.07	1.02	.008	.032	.23	.28	.29	.14	.1499
040, 00.00*	A992-11(15)	.79	412	521		.06	.04	.0116	.0003	.005	.028	.3308		
W310x44.5			59900	75900	25.51		.001			.0076				
012.1920m		413	413	523		1 PC(s)	1,200 lbs							
W12x30	2612632	.80	60200	75500	23.18	.07	1.06	.007	.027	.25	.26	.30	.11	.341
040, 00.00*	A992-11(15)	.79	415	521		.08	.05	.0150	.0004	.006	.029	.3363		
W310x44.5			60300	76100	23.94		.001			.0083				
012.1920m		416	416	525		31 PC(s)	37,200 lbs							
W12x30	2612635	.81	60000	73900	22.50	.07	1.05	.006	.026	.25	.25	.29	.11	.1507
040, 00.00*	A992-11(15)	.79	414	510		.08	.03	.0125	.0004	.005	.029	.3363		
W310x44.5			58500	73600	21.60		.001			.0067				
012.1920m		403	403	507		43 PC(s)	51,600 lbs							
W12x30	2612637	.79	57900	72900	22.56	.07	1.00	.008	.029	.26	.24	.28	.12	.1487
040, 00.00*	A992-11(15)	.80	399	503		.07	.03	.0112	.0004	.004	.030	.3294		
W310x44.5			60000	75000	24.03		.001			.0069				
012.1920m		414	414	517		33 PC(s)	39,600 lbs							

Elongation based on 8" (20.32cm) gauge length. No Weld Repair, was performed. Hg free and no contact with Hg during manufacture.
 CE1 = $C + (Mn/5) + ((Cr+Mo+V)/5) + ((Ni+Cu)/15)$
 CE2 = $C + ((Mn+Si)/6) + ((Cr+Mo+V+Cb)/5) + ((Ni+Cu)/15)$
 Pcm = $C + (Si/30) + (Mn/20) + (Cu/20) + (Ni/60) + (Cr/20) + (Mo/15) + (V/10) + B$

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.

DUANE A. WORK
 Regional Sales
 Quality Control