

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

CERTIFIED MILL TEST REPORT

2/07/11 20:50:17

100% 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: FORIACERO SA DE CV
 BLVD CARLOS SALINAS DE KM 8.8
 RULE 11 - IAREDO
 APODACA, NL 66600

Ship To: ESTACION PANIACO ESCAPE
 04-801-94
 INDUSTRIAL VALLEJO
 MEXICO, DF 02300

Customer #: 1872 - 5
 B.o.L. #: 863306

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-10 and A370. Quality Manual Rev #23.
 AASHTO : M270-50-05
 ASIM : A992-06A:A36-08/A529-05-50/A572-07-50/A709 10 50/A709-345M

Description	Heat Grade(s) Test	Yield/ Tensile Ratio	Yield (PSI) (MPa)	Tensile (PSI) (MPa)	Elong %	C	Mn	P	S	Si	Cu	Ni	CE1
						Cr xxxxxx	Mo Ti	Sn xxxxxx	B xxxxxx	V N	Nb xxxxxx	CI xxxxxx	CE2 Pcm
W10x22.0 040' 00.00' W250x32.7 012.1920m	2014972 A992-06A	.83	60800 419	73100 504	25.71	.06 .07	.86 .03	.009 .0107	.031 .0003	.21 .004	.27 .029	.11	.26 .3034 .1433
						6 Piece(s) Customer PO: 4500073496						Inv#:	0
W12x14 040' 00.00' W310x21.0 012.1920m	1015293 A992-06A	.81	57900 399	71100 490	26.54	.06 .05	.94 .02	.007 .0104	.029 .0003	.24 .003	.27 .016	.07	.26 .3125 .1464
						24 Piece(s) Customer PO: 4500073496						Inv#:	0
W12x22 040' 00.00' W310x32.7 012.1920m	2100984 A992-06A	.84	58400 403	69500 479	25.73	.07 .02	.82 .01	.007 .0087	.028 .0002	.18 .004	.20 .030	.05	.23 .2732 .1343
						40 Piece(s) Customer PO: 4500073760						Inv#:	0
W4x13 040' 00.00' W100x19.3 012.1920m	2014789 A992-06A	.82	58600 404	71300 492	23.76	.07 .07	.84 .02	.012 .0100	.031 .0003	.18 .003	.26 .030	.07	.25 .2917 .1407
						80 Piece(s) Customer PO: 4500073760						Inv#:	0

Elongation based on 8" (20.32cm) gauge length. 'No Weld Repair' was performed. Hg free and no contact with Hg during manufacture.
 CI = 26.01Cu+3.88Ni+1.20Cr+1.49Si+17.28P-(7.29Cu×Ni)-(9.10Ni×P)-33.39(Cu×Cu) CE1= 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)+Sb CE2 = C+{(Mn+Si)/6}+{(Cr+Mo+V+Cb)/5}+{(Ni+Cu)/15}

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