

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

CERTIFIED MILL TEST REPORT

10/03/14 13:19:09

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: PIESA ANAHUAC Y CIA SA DE CV  
 AVE VALLE DE LES ALAMEDES  
 NO 66-0  
 TULTITLAN, EM 54940

Ship To: DIX SHIPPING PORT OF TAMPICO  
 TERMINAL MUELLES FISCALES  
 CPT MUELLES FISCALES, TM  
 TAMPICO, TM 89000

Customer H.: 3926 - 2  
 Customer PO: 19437  
 B.o.L. H.: 1097154  
 MOS: B

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-14 and A370. Quality Manual Rev #27.

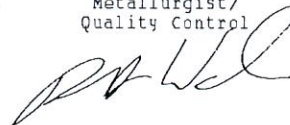
AASHTO : M270-50-10  
 ASME : SA-36 07a  
 ASTM : A992-11:A36-12/A529-05-50/A572 5013a/A709-5013a  
 CSA : G40.2150WM/G402150WMT

Description	Heat# Grade(s) Test/Heat JW	Yield/ Tensile Ratio	Yield (PSI) (MPa)	Tensile (PSI) (MPa)	Elong %	C Cr XXXXXX	Mn Mo Ti	P Sn XXXXXX	S B XXXXXX	Si V N	Cu Nb XXXXXX	Ni XXXXXX CI	CE1	CE2
													Pcm	Pcm
C10X15.3 040' 00.00' C250X22.8 012.1920m	2406498 A992-11	.83	58100 401	69700 481	24.48	.07 .04	.80 .01	.015 .0083	.035 .0004	.22 .004	.15 .028	.04	.23 .2698	.1309
			57700 398	69000 476	24.25 72 Pc(s)					.0041		3.84	InvH: 0	
C10X25 040' 00.00' C250X37 012.1920m	2411274 A992-11	.81	58200 401	71500 493	24.15	.07 .05	1.06 .01	.008 .0082	.030 .0005	.23 .005	.15 .032	.04	.27 .3130	.1414
		.77	55800 385	72600 501	23.00 24 Pc(s)		.001			.0050		3.81	InvH: 0	
C12X20.7 040' 00.00' C310X30.8 012.1920m	1410922 A992-11	.84	57500 396	68300 471	25.85	.07 .04	.82 .01	.009 .0056	.033 .0003	.25 .003	.10 .030	.04	.22 .2701	.1261
		.83	56600 390	67900 468	26.13 56 Pc(s)		.001			.0047		3.03	InvH: 0	
C12X25 040' 00.00' C310X37 012.1920m	1410966 A992-11	.87	60700 419	69500 479	26.45	.07 .05	1.03 .01	.011 .0070	.031 .0003	.26 .004	.16 .029	.04	.26 .3130	.1393
		.84	58700 405	70000 483	25.11 24 Pc(s)		.001			.0051		4.09	InvH: 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-(7.29CuXNi)-(9.10NiXP)-33.39(CuXCu) 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)+5B 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/  
 Quality Control



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

CERTIFIED MILL TEST REPORT

10/03/14 13:19:09

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: PLESA ANAHUAC Y CIA SA DE CV  
AVE VALLE DE LES ALAMEDES  
NO 66-0  
TULTITLAN, EM 54940

Ship To: DIX SHIPPING PORT OF TAMPICO  
TERMINAL MUELLES FISCALES  
CPT MUELLES FISCALES, TM  
TAMPICO, TM 89000

Customer #: 3926 - 2  
Customer PO: 19437  
B.o.L. #: 1097154  
MOS: B

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-14 and A370. Quality Manual Rev #27.

AASHTO : M270-50-10  
ASME : SA-36 07a  
ASTM : A992-11; A36-12/A529-05-50/A572 5013a/A709-5013a  
CSA : G40.2150WM/G402150WMT

Description	Heat# Grade(s) Test/Heat JW	Yield/ Tensile Ratio	Yield (PSI) (MPa)	Tensile (PSI) (MPa)	Elong %	C Cr XXXXXX	Mn Mo Ti	P Sn XXXXXX	S B XXXXXX	Si V N	Cu Nb XXXXXX	Ni XXXXXX CI	CE1	CE2
													Pcm	Pcm
C12X30	1410959	.80	55800	69600	24.83	.07	1.01	.009	.030	.27	.15	.04	.26	
040' 00.00'	A992-11		385	480		.04	.01	.0072	.0003	.004	.029		.3089	
C310X45		.80	56000	70200	24.29		.001			.0063		3.78	.1398	
012.1920m			386	484	22 Pc(s)		26,400 lbs					Inv#:	0	
C12X30	1410956	.82	56000	68700	25.99	.07	1.03	.010	.029	.29	.15	.04	.26	
040' 00.00'	A992-11		386	474		.04	.01	.0063	.0003	.004	.029		.3162	
C310X45		.82	56700	69200	24.94		.001			.0048		3.89	.1419	
012.1920m			391	477	2 Pc(s)		2,400 lbs					Inv#:	0	

6 Heat(s) for this MIR.

Elongation based on 8' (20.32cm) gauge length. 'No Weld Repair' was performed.  
CI = 26.01Cu+3.88Ni+1.20Cr+1.49Si+17.28P-(7.29CuXNi)-(9.10NiXP)-33.39(CuXCu)  
Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B

CE1 = C+(Mn/6)+((Cr+Mo+V)/5)+((Ni+Cu)/15)  
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

