

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

CERTIFIED MILL TEST REPORT

12/18/12 16  
100% MELTED AND MANUFACTURED IN THE US  
All beams produced by Nucor-Berkeley are ca  
rolled to a fully killed and fine grain pra  
Mercury has not been used in the direct manufacturing of this mat

Sold To: FORTACERO SA DE CV  
BLVD CARLOS SALINAS DE KM 8.8  
RULE 11 - LAREDO  
APODACA, NL 66600

Ship To: NUCOR BERKELEY PORT  
HUGER, SC 29450

Customer #: 1872 -  
Customer PO: 450094116  
B.o.L. #: 985689

SPECIFICATIONS: Tested in accordance with ASTM specification A6-12/A6M-12 and A370. Quality Manual Rev #26.  
AASHTO : M270-50-05  
ASME : SA-36 07a  
ASTM : A992-11/A36-08/A529-05-50/A572-12-50/A709-345M  
CSA : G40.21-50w

Description	Heat# Grade(s) Test/Heat JW	Yield/ Tensile Ratio	Yield (PSI)	Tensile (PSI)	Elong %	C Cr *****	Mn Mo Ti	P Sn *****	S B *****	Si V N	Cu Nb *****	Ni ***** CI	CE1
													Pcm
10X15.3 040' 00.00" C250X22.8 012.1920m	1214547 A992-11	.84	59500 410	71100 490	24.46	.07 .07	.86 .01	.013 .0100	.024 .0002	.19 .004	.18 .027	.06	.25 .28 .13
													Inv#:
10X15.3 040' 00.00" C250X22.8 012.1920m	1214530 A992-11	.84	60200 415	72000 496	24.13	.07 .06	.83 .01	.014 .0111	.029 .0002	.22 .004	.20 .028	.06	.24 .27 .13
													Inv#:
10X15.3 040' 00.00" C250X22.8 012.1920m	1214528 A992-11	.85	60700 419	71700 494	23.25	.07 .06	.85 .01	.013 .0103	.029 .0002	.21 .004	.19 .031	.06	.24 .28 .13
													Inv#:
10X15.3 040' 00.00" C250X22.8 012.1920m	1214526 A992-11	.83	59600 411	71400 492	23.86	.07 .06	.82 .01	.013 .0097	.030 .0002	.21 .003	.19 .028	.06	.24 .27 .13
													Inv#:

Elongation based on 8" (20.32cm) gauge length. 'No Weld Repair' was performed. Hg free and no contact with Hg during manufac  
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)+5B CE2 = C+((Mn+Si)/6)+((Cr+Mo+V+Cb)/5)+((Ni+Cu)

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



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Description	Heat# Grade(s) Test/Heat JW	Yield/ Tensile Ratio	Yield {PSI}	Tensile {PSI}	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
C10X15.3 040' 00.00" C250X22.8 012.1920m	1214547 A992-11	.84	59500 410	71100 490	24.46	.07 .07	.86 .01	.013 .0100	.024 .0002	.19 .004	.18 .027	.06	.25 .28 1.33 Inv#:
C10X15.3 040' 00.00" C250X22.8 012.1920m	1214530 A992-11	.84	60200 415	72000 496	24.13	.07 .06	.83 .01	.014 .0111	.029 .0002	.22 .004	.20 .028	.06	.24 .27 1.30 Inv#:
C10X15.3 040' 00.00" C250X22.8 012.1920m	1214528 A992-11	.85	60700 419	71700 494	23.25	.07 .06	.85 .01	.013 .0103	.029 .0002	.21 .004	.19 .031	.06	.24 .28 1.34 Inv#:
C10X15.3 040' 00.00" C250X22.8 012.1920m	1214526 A992-11	.83	59600 411	71400 492	23.86	.07 .06	.82 .01	.013 .0097	.030 .0002	.21 .003	.19 .028	.06	.24 .27 1.30 Inv#:

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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)

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