

NUCOR STEEL - BERKELEY
 1455 Hagan Avenue
 Huger, SC 29450
 Phone: (843) 336-6000

CERTIFIED MILL TEST REPORT

5/03/25 8:35:43

100% EAF MELTED AND MANUFACTURED IN THE USA
 Structural sections produced by Nucor-Berkeley are cast
 and hot rolled to a fully killed and fine grain practice.
 Mercury not intentionally added at any point during manufacturing.

Sold To: SUPERIOR SUPPLY AND STEEL
 PO BOX 2388

Ship To: SUPERIOR SUPPLY & STEEL
 318 CITY SERVICE HIGHWAY

Customer #.: 808 - 1

SULPHUR, LA 70664

SULPHUR, LA 70663

B.O.L. #.: 1827264

MOS: T

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-22 and A370-22. Tested in accordance with EN10204-2004-3.1.
 Quality Manual Rev #19 (11-30-22).

AASHTO : M270-50-23

** More specs than space

AASHTO : M270-36-23M270-50-23

ASME : SA-36 21

ASTM : A992-22:A36-19/A529-19-50/A5725021I1/A7095021

ASTM : Mult-Grade:/A36-19/A529-19-50/A5725021I1/A7093621/A7095021

A36 A50 A529 A7G3 A7G5 M36 M50 SA36 44W 50W

Description Part #	Heat# Grade(s) Test/Heat JW	Yield/ Tensile Ratio	Yield (PSI) (MPa)	Tensile (PSI) (MPa)	Elong %	C Cr *****	Mn Mo Ti	P Sn *****	S B *****	Si V N	Cu Nb *****	Ni ***** CI	CE1 CE2 Pcm
C12X20.7 020' 00.00" C310X30.8 006.0960m	2502761 A992-22	.83	59100 407	71100 490	25.00	.07 .05	1.02 .01	.009 .0064	.023 .0003	.24 .002	.16 .029	.05	.27 .3162 .1458
Customer PO: 0256274-01 BoIH: 1827264													
C6x10.5 020' 00.00" C152x15.62 006.0960m	2404928 Mult-Grade	.83	60200 415	72200 498	26.00	.07 .04	1.05 .01	.010 .0037	.016 .0002	.28 .002	.09 .029	.03	.26 .3120 .1372
Customer PO: P025545501 BoIH: 1827264													
C8X11.5 020' 00.00" C200X17.1 006.0960m	1503325 A992-22	.85	57500 396	67900 468	27.00	.07 .05	.87 .00	.009 .0079	.016 .0002	.20 .002	.08 .026	.04	.23 .2715 .1265
Customer PO: P025545501 BoIH: 1827264													

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 Elongation based on 8" (20.32cm) gauge length. 'No Weld Repair' was performed. "All mechanical testing is performed by the Quality
 CI = 26.01Cu+3.88Ni+1.20Cr+1.49Si+17.28P-(7.29Cu*Ni)-(9.10Ni*P)-33.39(Cu*Cu) testing lab, which is independent of the production
 Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B departments"
 CE1= C+(Mn/6)+((Cr+Mo+V)/5)+((Ni+Cu)/15) CE2 = C+((Mn+Si)/6)+((Cr+Mo+V+Cb)/5)+((Ni+Cu)/15)
 =====

Nucor certifies 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.

Emma Summers
 Metallurgist/
 Quality Control

Emma Summers

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ASTM : Mult-Grade:/A36-19/A529-19-50/A5725021I1/A7093621/A7095021 A36 A50 A529 A7G3 A7G5 M36 M50 SA36 44W 50W

Description Part #	Heat# Grade(s) Test/Heat JW	Yield/ Tensile Ratio	Yield (PSI) (MPa)	Tensile (PSI) (MPa)	Elong %	C	Mn	P	S	Si	Cu	Ni	CE1
						Cr *****	Mo Ti	Sn *****	B *****	V N	Nb *****	***** CI	CE2 Pcm
C8X11.5 020' 00.00' C200X17.1 006.0960m	2503437 A992-22	.84	58700 405	69500 479	27.00	.07 .07	.84 .01	.010 .0068	.021 .0003	.22 .002	.13 .029	.05 3.49	.23 .2769 .1289
Customer PO: P025545501 BoL#: 1827264													
S5x10 020' 00.00' S130X15 006.0960m	1504348 A992-22	.84	56300 388	67400 465	26.00	.07 .04	.82 .01	.009 .0045	.015 .0002	.19 .001	.10 .027	.04 2.84	.22 .2582 .1218
Customer PO: P025638601 BoL#: 1827264													
S8X23 020' 00.00' S200X34 006.0960m	2416947 A992-22	.81	56000 386	69300 478	27.00	.07 .04	1.03 .01	.008 .0052	.019 .0002	.24 .002	.13 .030	.05 3.47	.26 .3083 .1384
Customer PO: 0256274-01 BoL#: 1827264													

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 Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B departments"
 CE1= C+(Mn/6)+((Cr+Mo+V)/5)+((Ni+Cu)/15) CE2 = C+((Mn+Si)/6)+((Cr+Mo+V+Cb)/5)+((Ni+Cu)/15)
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Description Part #	Heat# Grade(s) Test/Heat JW	Yield/ Tensile Ratio	Yield (PSI) (MPa)	Tensile (PSI) (MPa)	Elong %	C	Mn	P	S	Si	Cu	Ni	CE1
						Cr *****	Mo Ti	Sn *****	B *****	V N	Nb *****	***** CI	CE2 Pcm
S8X23 020' 00.00" S200X34 006.0960m	2416951 A992-22	.84	57800 399	69100 476	25.00	.07 .05	1.03 .01	.009 .0053	.019 .0003	.27 .002	.13 .031	.04	.26 .3134 .1395
Customer PO: 0256274-01 BoL#: 1827264													
W4X13 020' 00.00" W100X19.3 006.0960m	2503956 A992-22	.82	56800 392	68900 475	22.00	.07 .06	.86 .01	.012 .0057	.017 .0002	.17 .002	.12 .027	.05	.23 .2670 .1254
Customer PO: P025545501 BoL#: 1827264													
W4X13 020' 00.00" W100X19.3 006.0960m	2503958 A992-22	.82	55500 383	67800 467	24.00	.07 .05	.84 .01	.011 .0055	.020 .0002	.19 .002	.12 .027	.05	.23 .2676 .1264
Customer PO: P025545501 BoL#: 1827264													

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 Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B departments"
 CE1= C+(Mn/6)+((Cr+Mo+V)/5)+((Ni+Cu)/15) CE2 = C+((Mn+Si)/6)+((Cr+Mo+V+Cb)/5)+((Ni+Cu)/15)

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Description Part #	Heat# Grade(s) Test/Heat JW	Yield/ Tensile Ratio	Yield (PSI) (MPa)	Tensile (PSI) (MPa)	Elong %	C Cr *****	Mn Mo Ti	P Sn *****	S B *****	Si V N	Cu Nb *****	Ni ***** CI	CE1
													Pcm
W8X28 020' 00.00"	2501072 A992-22	.81	56900 392	70500 486	25.00	.07 .06	1.07 .01	.012 .0056	.020 .0002	.22 .002	.14 .030	.05	.27 .3158
W200X41.7 006.0960m		.79	55900 385	70400 485	25.00 2 Pc(s)		.001 1,120 lbs			.0065		3.80	.1407 Customer PO: P025597601 BoL#: 1827264
W8X28 020' 00.00"	2501074 A992-22	.79	56400 389	71400 492	24.00	.07 .06	1.03 .01	.010 .0063	.020 .0002	.23 .002	.17 .030	.05	.27 .3124
W200X41.7 006.0960m		.79	56700 391	71800 495	27.00 4 Pc(s)		.001 2,240 lbs			.0070		4.18	.1397 Customer PO: P025597601 BoL#: 1827264
W8X31 020' 00.00"	2506000 A992-22	.79	55300 381	69900 482	20.00	.07 .04	1.02 .01	.012 .0055	.021 .0003	.27 .002	.11 .028	.04	.26 .3072
W200X46.1 006.0960m		.79	55600 383	70700 487	22.00 6 Pc(s)		.001 3,720 lbs			.0070		3.16	.1362 Customer PO: P025638601 BoL#: 1827264

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 Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B departments"
 CE1= C+(Mn/6)+((Cr+Mo+V)/5)+((Ni+Cu)/15) CE2 = C+((Mn+Si)/6)+((Cr+Mo+V+Cb)/5)+((Ni+Cu)/15)

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12 Heat(s) for this MIR.

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CI = 26.01Cu+3.88Ni+1.20Cr+1.49Si+17.28P-(7.29Cu*Ni)-(9.10Ni*P)-33.39(Cu*Cu)
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)
=====
" All mechanical testing is performed by the Quality testing lab, which is independent of the production departments"
CE2 = C+((Mn+Si)/6)+((Cr+Mo+V+Cb)/5)+((Ni+Cu)/15)
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