

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

CERTIFIED MILL TEST REPORT

1/23/24 23:15:26
 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.

Ship To: LONGVIEW WAREHOUSE Customer #: 472 - 14
 4750 WEST MARSHALL AVE B.O.I. #: 1743048
 MANHATTAN, KS 66505 LONGVIEW, TX 75604 MDS: I

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).

ARSHO : M270-50-23
 ASTM : A992-22/A529-19-50/A5725021I1/A7095021
 CSA : G40.2150WM

Description Part #	Heat Grade(s) Test/Heat JW	Yield/ Tensile Ratio	Yield (PSI) (MPa)	Tensile (PSI) (MPa)	Elong %	C Cr *****	Mn Mo Ii	P S *****	Si V N	Cu Nb *****	Ni ***** CI	CE1 CE2 PCM
C12X20.7 040' 00.00'	2317610 A992-22	.81	59700 412	73800 509	25.00	.07 .04	1.00 .01 .001	.013 .0040	.25 .002 .0064	.10 .027	.04	.25 .2999 .1335
C310X30.8 012.1920m		.80	59300 409	73900 510	3.00 10 pc(s)		8,280 lbs		Customer PO: 4500567301	BoIH: 1743048		
2512207040												
C12X20.7 040' 00.00'	1317607 A992-22	.82	60300 416	73500 507	24.00	.07 .04	1.02 .01 .001	.013 .0049	.24 .002 .0067	.10 .032	.04	.26 .3075 .1405
C310X30.8 012.1920m		.84	61700 425	73400 506	25.00 6 pc(s)		4,968 lbs		Customer PO: 4500567301	BoIH: 1743048		
2512207040												
W12x26 020' 00.00'	2316467 A992-22	.80	55700 384	69400 479	25.00	.07 .05	1.05 .01 .001	.013 .0051	.23 .002 .0066	.13 .030	.04	.27 .3112 .1397
W310X38.7 006.0960m		.79	54900 379	69700 481	25.00 6 pc(s)		3,120 lbs		Customer PO: 4500566788	BoIH: 1743048		
3712260020												

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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 = 26.0(Cu)+3.68Ni+1.20Cr+1.49Si+17.28P-(7.29CuXNi)-(9.10NiXp)-33.39(CuXCu) testing lab, which is independent of the production PCm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+58 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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ASHTO : M270-50-23
 ASIM : A992-22; A529-19-50/A5725021T1/A7095021
 CSA : G40.2150W

Description Part #	Heat# Grade(s) Test/Heat JW	Yield/ Tensile Ratio (MPa)	Yield Tensile (PSI)	Elong (%)	C Cr	Mn Mo Ti	P S Sb	S B	Si V N	Cu Nb	Ni CI	CE1 CE2 PCM
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C12X20.7 040' 00.00' C310X30.8 012.1920m 2512207040	1317607 A992-22	.82 .84	60300 416 507 61700	24.00 25.00	.07 .04	1.02 .01 .001	.013 .0049	.019 .0003	.24 .002 .0067	.10 .032	.04	.26 .3075 .1405
W12X26 020' 00.00' W310X38.7 006.0960m 3712260020	2316497 A992-22	.80 .79	55700 384 479 54900	25.00 25.00	.07 .05	1.05 .01 .001	.013 .0051	.021 .0003	.23 .002 .0066	.13 .030	.04	.27 .3112 .1397

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