

Heat#: 2309461*

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

CERTIFIED MILL TEST REPORT

7/19/23 23:07:10
100% FAF 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.

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-21 and A370-21. Tested in accordance with EN10204-2004-3.1.1.
Quality Manual Rev #16 (4-30-21).

ASHTO : M270-50-19
ASTM : A992-22:A529-19-50/A572502111/A7095021
CSA : C40.2150WM

Description Part #	Heat# Grade(s) Test/Heat JW	Yield/ Tensile (PSI) (MPa)	Elong (%)	C		Mn		P		S		Si		Cu		Ni		CE1	
				Cr xxxxxx	Mo xxxxxx	Mo xxxxxx	Si xxxxxx	Sn xxxxxx	B xxxxxx	V xxxxxx	Nb xxxxxx	Al xxxxxx	CE2 PCm						
C10X25 040', 00.00' C250X37 012.1920m	2309471 A992-22	.79 383 486 384	28.00	.07 .05	1.03 .01 .001	.009 .0044	.020 .0003	.23 .002 .0044	.10 .031	.04	.26 .3096 .1409	Customer PO: SSW137068 BOL# 1708758							
C10X30 040', 00.00' C250X45 012.1920m	2309461 A992-22	.77 368 477 364	26.00	.07 .05	1.06 .01 .001	.009 .0051	.017 .0004	.22 .002 .0044	.10 .034	.04	.27 .3086 .1384	Customer PO: SSW137068 BOL# 1708758							
S5X10 040', 00.00' S130X15 012.1920m	1303822 A992-22	.85 400 470 396	29.00	.06 .04	.85 .01 .001	.006 .0092	.017 .0003	.19 .002 .0107	.22 .028	.07	.24 .2733 .1297	Customer PO: SSW137012 BOL# 1708758							

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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+3.88Mn+1.20Cr+1.49Si+17.28P-(7.29Cu+Mn)-(9.10Mn+P)-33.39(Cu+Cr)
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)

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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.

Dmitri Karyvov
Metallurgist
Quality Control

