

3/23/23 20:07:19

CERTIFIED MILL TEST REPORT

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.

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

Customer #: 472 - 14

Ship To: LONGVIEW WAREHOUSE
 4750 WEST MARSHALL AVE
 LONGVIEW, TX 75604

Customer #.: 1687509
 MOS: I

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-21 and A370-21. Tested in accordance with EN10204-2004-3.1. Quality Manual Rev #16 (4-30-21).

AASHIO : M270-50-19
 ASIM : 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 Ti	P Sb *****	S B *****	Si V N	Cu Nb *****	Ni ***** CI	CE1 CE2 PCM
C12X25	2216573	.82	63600	77400	25.00	.07	1.03	.008	.022	.24	.19	.12	.29
	A992-22		439	534		.09	.06	.0065	.0001	.021	.030	4.62	.3410
C310X37		.82	63500	77400	24.00		.001			.0075			.1496
			438	534									

Customer PO: 4500547746 BolH: 1687509

Flongation based on 8' (20.32cm) gauge length. 'No Weld Repair' was performed. 'All mechanical testing is performed by the Quality testing lab, which is independent of the production departments.'

CI = $26.01Cu + 3.88Ni + 1.20Cr + 1.49Si + 17.28P - (7.29Cu \times Ni) - (9.10Ni \times P) - 33.39(Cu \times Cu)$

PCM = $C + (Si/30) + (Mn/20) + (Cu/20) + (Ni/60) + (Cr/20) + (Mo/15) + (V/10) + 5B$

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

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.

Dmitri Nassyrov
 Metallurgist/
 Quality Control

