

NUCOR STEEL - BERKELEY
 14455 Hagan Avenue
 Ruger, SC 29450
 Phone: (843) 336-6000

CERTIFIED MILL TEST REPORT

2/21/23 12:35:45
 100% ERF 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.

Customer #: 472 - 4

MANHATTAN, KS 66505

CAIDOSA, OK 74015

B.O.I. H...: 1681097

MOS: T

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-21 and A370-21. Tested in accordance with EN10204-2004-3.1.

RASHTD : M270-50-19
 Quality Manual Rev H16 (4-30-21).
 ASTM : A992-22/A529-19-50/A5725021T1/A7095021

Description	Heat	Yield/	Yield	Tensile	Elong	C	Mn	P	S	Si	Cu	Ni	CE1
Part #	Grade(s)	Tensile	(PSI)	(PSI)	%	Cr	Mo	Sh	B	V	Nb	CI	CE2
	Test/Heat	Ratio	(MPa)	(MPa)		xxxxx	Ti	xxxxx	xxxxx	N	xxxxx		Pcm
M5X4.4	2301221	.88	66900	76000	24.00	.07	.83	.007	.020	.23	.16	.07	.24
040' 00.00'	A529-19-50		461	524	20.00	.05	.02	.0057	.0003	.002	.008		.2746
M152X6.5		.89	65700	73700	20.00		.001			.0047			.1315
012.1920m			453	508									
32644040													

Elongation based on 8" (20.32cm) gauge length. No Weld Repair was performed. All mechanical testing is performed by the Quality department.
 CI = 26.01Cu+3.88Ni+1.20Cr+1.49Si+17.28P-(7.29CuXNi)-(9.10NiXP)-33.39(CuXCu)
 Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
 CE1 = C+(Mn/5)+((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

