

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

CERTIFIED MILL TEST REPORT

3/19/23 12:15:54
 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
 SUIPHUR, IA 70664
 Customer #: 808 - 1
 B.O.L. H...: 1686444
 MOS: 1

Shld To: SUPERIOR SUPPLY & STEEL
 318 CITY SERVICE HIGHWAY
 SUIPHUR, IA 70663

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

RASTD : M270-50-19
 ASTM : A992-22/A529-19-50/A572502111/A7095021
 CSR : G40,2150MW

Part #	Description	Heat Grade(s)	Test/Heat #	Yield/Tensile Ratio	Yield (MPa)	Tensile (MPa)	Elong %	C Cr	Mn Mo Ti	P S	S B	Si V N	Cu ND	Ni CI	CE1	CE2	Pcm
C15X3.9	2206467	80	59200	73700	23.25	.07	1.10	.007	.019	.029	.07	.03	.27	.29	.27	.3225	.1420
020' 00.00'	A992-22	.80	408	508	23.16	.04	.01	.0036	.0003	.002	.030	.236	.29	.3225	.1420		
C381X50.44	402	80	58300	73000	23.16	.04	.01	.0036	.0003	.002	.030	.236	.29	.3225	.1420		
006.0960M	402	80	503	503	4 Pc(s)	2,712 lbs	Customer PO: P023848611	BolH: 1686444									
S8X23	2216448	.79	59300	74800	27.00	.07	1.06	.008	.027	.027	.27	.13	.29	.29	.3418		
020' 00.00'	A992-22	.80	409	516	26.00	.06	.03	.0077	.0005	.003	.031	.13	.29	.3418			
S200X34	59500	.80	59500	74400	26.00	.06	.03	.0077	.0005	.003	.031	.13	.29	.3418			
006.0960M	410	.80	410	513	8 Pc(s)	3,600 lbs	Customer PO: P023848611	BolH: 1686444									
W12X35	2302790	.78	55000	70300	26.00	.07	1.05	.005	.016	.026	.13	.04	.27	.3194			
020' 00.00'	A992-22	.78	379	485	25.00	.05	.01	.0058	.0002	.002	.030	.04	.27	.3194			
W310X52	54300	.78	54300	69400	25.00	.05	.01	.0058	.0002	.002	.030	.04	.27	.3194			
006.0960M	374	.78	374	479	6 Pc(s)	4,200 lbs	Customer PO: P023848611	BolH: 1686444									

Elongation based on 8" (20.32cm) gauge length. 'No Weld Repair' was performed. "All mechanical testing is performed by the Quality 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+Cu)/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.

Dmitry Nasyrov
 Metallurgist
 Quality Control

