

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

CERTIFIED MILL TEST REPORT

11/14/24 5:57:44
 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

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

Customer #: 808 - 1
 B.O.L. H...: 1795201
 MOS: 1

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-22 and A370-22. Tested in accordance with EN10204-2004-3.1.

RASTD : M270-50-23
 ASTM : A992-22/A936-19/A529-19-50/A5725021T1/A7095021
 CSR : G40,2150W

Description	Heat#	Yield/Tensile Ratio	Yield (MPa)	Tensile (MPa)	Elong %	C	Mn	P	S	Si	Cu	Ni	CE1
Part #	Grade(s)	Test/Heat #	(MPa)	(MPa)		Cr	Mo	Sn	B	V	ND	CI	CE2
C12X20.7	2412727		83	58900	24.00	.07	1.03	.008	.014	.21	.10	.04	.26
020' 00.00'	A992-22		.86	406	490	.04	.01	.0048	.0002	.002	.030	.3024	
C310X30.8				60800	71000		.001			.0038			
006.0960m				419	490		3,312 lbs	Customer PO: P025275701			1795201		1,1368
S3X5.7	2409404		.81	60000	74300	.07	.87	.012	.018	.24	.10	.04	.24
020' 00.00'	A992-22			414	512	.06	.01	.0049	.0002	.002	.015	.04	.2797
S75X8.5				60800	74200		.001			.0048			
006.0960m				419	512		3,990 lbs	Customer PO: P025275701			1795201		1,1294
S8X23	2408410		.81	57200	71000	.07	1.08	.010	.019	.30	.10	.05	.27
020' 00.00'	A992-22			394	490	.05	.01	.0055	.0004	.002	.031	.05	.3304
S200X34			.82	58300	71500		.001			.0045			
006.0960m				402	493		7,360 lbs	Customer PO: P025275701			1795201		1,1466

Elongation based on 8" (20.32cm) gauge length. 'No Weld Repair' was performed. "All mechanical testing is performed by the Quality Dept. = 26.01Cu+3.88Ni+1.20Cr+1.49Si+17.28P-(7.29CuXNi)-(9.10NiXP)-33.39(CuXCu) testing lab, which is independent of the production department." 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.

Emma Summers
 Metallurgist /
 Quality Control



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

CERTIFIED MILL TEST REPORT

11/14/24 5:57:44
 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.

SOLD TO: SUPERIOR SUPPLY AND STEEL
 PO BOX 2388
 SUIPHUR, IA 70664
 SHIP TO: SUPERIOR SUPPLY & STEEL
 318 CITY SERVICE HIGHWAY
 SUIPHUR, IA 70663
 Customer #: 808 - 1
 B.O.I. H...: 1795201
 MOS: 1

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).

RASTRO : M270-50-23
 ASTM : A992-22;A36-19/A529-19-50/A5725021T1/A7095021
 CSA : G40.2150WM

Part #	Description	Heat Grade(s)	Test/Heat JW	Yield/ Tensile Ratio	Yield (PSI) (MPa)	Tensile (PSI) (MPa)	Elong %	C Cr	Mn Mo Ti	P Sn	S B	Si V N	Cu NB	Ni CI	CE1 CE2 Pcm
W6X16	1404763			.81	53500	68300	29.00	.07	.81	.006	.016	.24	.11	.03	.22
020' 00.00'	A992-22			.82	383	471	27.00	.04	.01	.0049	.0003	.002	.027	.03	.2655
W130X23.8					55200	67500	27.00		.001			.0048		3.09	.1246
006.0960m					381	465	12 Pc(s)								
W6X15	2414584			.86	63600	73700	26.00	.07	1.09	.010	.021	.25	.18	.10	.29
020' 00.00'	A992-22			.86	439	508	25.00	.07	.02	.0079	.0004	.002	.032	.44	.3343
W150X22.5					62800	73200	25.00		.001			.0059		4.44	.1492
006.0960m					433	505	45 Pc(s)								
W6X15	2414584			.86	63600	73700	26.00	.07	1.09	.010	.021	.25	.18	.10	.29
020' 00.00'	A992-22			.86	439	508	25.00	.07	.02	.0079	.0004	.002	.032	.44	.3343
W150X22.5					62800	73200	25.00		.001			.0059		4.44	.1492
006.0960m					433	505	9 Pc(s)								

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



NUCOR STEEL - BERKELEY
 1435 Hagan Avenue
 Ridger, SC 29450
 Phone: (843) 336-6000

CERTIFIED MILL TEST REPORT

11/14/24 5:57:44
 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.

SOLD TO: SUPERIOR SUPPLY AND STEEL
 PO BOX 2388
 SULPHUR, IA 70664
 SHIP TO: SUPERIOR SUPPLY & STEEL
 318 CITY SERVICE HIGHWAY
 SULPHUR, IA 70663
 Customer #: 808 - 1
 B.O.I. H...: 1795201
 MOS: 1

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).

RASTRD : M270-50-23
 ASTM : A992-22;A36-19/A529-19-50/A5725021T1/A7095021
 CSA : G40.2150WM

Part #	Description	Heat Grade(s)	Yield/ Tensile Ratio	Yield (PSI)	Tensile (MPa)	Elong %	C Cr	Mn Mo Ti	P Sn	S B	Si V N	Cu NB	Ni CI	CE1 CE2 Pcm
W6X15	2414584	020' 00.00'	.86	63600	73700	26.00	.07	1.09	.010	.021	.25	.18	.10	.29
W150X22.5	4392-22	020' 00.00'	.86	439	508	25.00	.07	.02	.0079	.0004	.002	.032	.3343	.3343
006.0960M	433	006.0960M		62800	73200	25.00	.07	.001	.0079	.0004	.0039	.032	4.44	1.1492
				433	505	9 Pc(s)		2,700 lbs	Customer PO: P025275701					
W8X24	2415760	020' 00.00'	.80	58000	72400	25.00	.07	1.03	.011	.024	.22	.28	.15	.29
W200X35.9	4992-22	020' 00.00'	.80	400	499	25.00	.10	.03	.0160	.0003	.002	.029	.3353	.3353
006.0960M	402	006.0960M		58300	72900	25.00	.10	.001	.0160	.0003	.0070	.029	5.56	1.1497
				402	503	12 Pc(s)		5,760 lbs	Customer PO: P025191601					
W8X31	1415206	020' 00.00'	.79	55200	69700	20.00	.07	1.01	.016	.022	.22	.22	.06	.28
W200X46.1	4992-22	020' 00.00'	.81	381	481	24.00	.10	.01	.0071	.0003	.002	.029	.3190	.3190
006.0960M	395	006.0960M		57300	70600	24.00	.10	.001	.0071	.0003	.0066	.029	4.90	1.1445
				395	487	1 Pc(s)		620 lbs	Customer PO: P025275701					

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

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

CERTIFIED MILL TEST REPORT

11/14/24 5:57:44
 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.

SOLD TO: SUPERIOR SUPPLY AND STEEL
 PO BOX 2388

SHIP TO: SUPERIOR SUPPLY & STEEL
 318 CITY SERVICE HIGHWAY

SULPHUR, IA 70664

SULPHUR, IA 70663

Customer #: 808 - 1
 B.O.I. H....: 1795201
 MOS: 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).

RASTRO : M270-50-23
 ASTM : A992-22;A36-19/A529-19-50/A5725021T1/A7095021
 CSA : G40,2150WM

Description	Heat	Yield/Tensile Ratio	Yield (MPa)	Tensile (MPa)	Elong %	C	Cr	Mn	Mo	Ti	P	S	Sb	Si	Cu	Ni	CE1
Part #	Test/Heat	JW				*****	*****				*****	*****	*****	N	*****	CI	
WBX31	1415208		.81	57400	71000	.07		1.11			.015	.025		.24	.22	.06	.29
020' 00.00'	A992-22			396	490	.09		.01			.0068	.0003		.002	.032		.3407
W200X46.1			.80	56800	70900			.001						.0063		4.95	.1524
006.0960m				392	489												

10 Heat(s) for this MTR.

Elongation based on 8" (20.32cm) gauge length. 'No Weld Repair' was performed. "All mechanical testing is performed by the Quality
 CI = 26.01Cu+3.88Ni+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))+5B departments"
 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.

Emma Summers
 Metallurgist/
 Quality Control

