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

CERTIFIED MILL TEST REPORT

1/03/24 8:59:38

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.

So
PO BOX 2703
MOBILE, AL 36652

WESTWEGO, LA 70094

Customer #.: 1848 - 5
Customer PO: KN-715
B.o.L. #...: 1720318
Invoice #..: 2482296 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).
: MILS22698C
ABS : AB/AB36-22:
ASTM : A131 AB36

Description / Part #	Heat# / Grade(s) / Test/Heat JW	Yield/ Tensile Ratio	Yield (PSI) (MPa)	Tensile (PSI) (MPa)	Elong %	C / Cr / xxxxxx	Mn / Mo / Ti	P / Sn / xxxxxx	S / B / xxxxxx	Si / V / N	Cu / Nb / xxxxxx	Ni / xxxxxx / CI	CE1 / CE2 / Pcm
S8X23	2216447	.81	59800	73800	26.00	.07	1.06	.006	.020	.25	.22	.09	.28
040' 00.00'	AB/AB36-22		412	509		.06	.03	.0065	.0004	.003	.031		.3313
S200X34		.79	58000	73200	28.00		.001			.0061		4.82	.1475
012.1920m	ABS-CB		400	505	16 Pc(s)	14,720 lbs		Customer PO: KN-715			BoL#: 1720318	Inv#: 2482296	

Charpy Impact Results		Piece #1	Piece #2	Piece #3	Average	(F) Temp	(C)	Size
Test 01	Ft/Lbs:	92.40	71.90	106.20	90.17	32	0	1/2
	Joules:	125.29	97.49	144.00	122.26			
Test 02	Ft/Lbs:	98.90	95.90	92.90	95.90	32	0	1/2
	Joules:	134.10	130.04	125.97	130.04			

W4X13	1208899	.75	56500	74900	24.00	.07	1.29	.009	.017	.31	.11	.03	.31
040' 00.00'	AB/AB36-22		390	516		.05	.01	.0047	.0003	.002	.039		.3665
W100X19.3		.82	61800	75000	25.00		.001			.0034		3.33	.1547
012.1920m	ABS-CB		426	517	16 Pc(s)	8,320 lbs		Customer PO: KN-715			BoL#: 1720318	Inv#: 2482296	

Charpy Impact Results		Piece #1	Piece #2	Piece #3	Average	(F) Temp	(C)	Size
Test 01	Ft/Lbs:	180.00	190.00	197.00	189.00	32	0	3/4
	Joules:	244.08	257.64	267.13	256.28			
Test 02	Ft/Lbs:	181.00	193.00	203.00	192.33	32	0	3/4
	Joules:	245.43	261.70	275.26	260.80			
Test 03	Ft/Lbs:	96.40	57.00	65.30	72.90	32	0	1/2
	Joules:	130.71	77.29	88.54	98.85			
Test 04	Ft/Lbs:	167.10	126.30	115.80	136.40	32	0	3/4
	Joules:	226.58	171.26	157.02	184.[illegible]			

Emma K Summers