



**SWVA KENTUCKY, LLC.**

A Subsidiary of  
 SWVA, INC.

32130000

Phone: (606) 929-1200 Fax: (844) 445-8953

BOL NUMBER: 111936

**METALLURGICAL TEST REPORT**

We hereby certify that these Chemical and/or Test results are correct as contained in the records of SWVA, INC.  
 By:

*Austin Nelson*  
 Austin Nelson - Metallurgist

Cust Info: FCFS REC. HRS 11PM - 4:30PM

Purchase Order No. SSW136395 Mill Order No. 21603

Size 1 1/2 X 2 1/2 NSQ Grade KES 50/36 Date: 6/21/23  
 FLAT BAR APT: A36, A572 GR50, 44W, 50W, A529 GR50, A709 GR36/GR50  
 Manufactured in the USA

HEAT NO.	CHEMICAL ANALYSIS															
	C	MN	P	S	SI	CU	CR	NI	MO	V	CB	SN	CE	B	BHN	REDUCTION RATIO
# 13322	.17	.90	.021	.025	.25	.24	.18	.09	.03	.020	.003	.013	.39			06.66

HEAT NO.	Yield Point PSI	Tensile Strength PSI	ELONG		RA %	Yield Point PSI	Tensile Strength PSI	ELONG		RA %	CHARPY V NOTCH IMPACT RESULTS					
			1/2"	1/8"				Temp.	Sample Size		Fl. Lbs	Fl. Lbs	Fl. Lbs			
13322	52000	78000	38.6		61	52000	78000	35.4		66						

\* Material melted outside the USA

# Material melted in the USA