



ROCKY MOUNTAIN STEEL
A DIVISION OF EVRAZ INC. NA

2100 S. Freeway
Pueblo, CO 81004 USA

MATERIAL TEST REPORT

Date Printed: 10-JAN-22

Certificate ID: 39430

Date Shipped: 10-JAN-22	Product: PLN 1/2"	Specification: ASTM A-615 GR60
FWIP: 52825686	Customer: LANE INTERNATIONAL CORPORAION	Cust. PO: 7184-15

Heat Number	CHEMICAL ANALYSIS (In Weight %, uncertainty of measurement 0.005%)											(Heat chemistry entered 10/04/21)					
	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al	V	B	Cb	Sn	N	Ti	Co
113881	0.26	1.23	0.012	0.023	0.27	0.32	0.10	0.21	0.030	0.002	0.042	0.0005	0.003	0.012	0.0126	0.000	
Carbon Equivalent = 0.494																	

Heat Number	Sample No.	MECHANICAL PROPERTIES				(ROLLED & TESTED ON 12/22/21)		Wt/ft
		Yield (Psi)	Ultimate (Psi)	Elongation (%)	Reduction (%)	Bend		
113881	01	77607	110650	16.0		P	0.663	
		(MPa) 535.1	762.9					
113881	02	76964	110810	15.1		P	0.667	
		(MPa) 530.6	764.0					

All melting and manufacturing processes of the material subject to this test certificate occurred in the United States of America. ERMS also certifies this material to be free from Mercury contamination.

This material has been produced, tested and conforms to the requirements of the applicable specifications. We hereby certify that the above test results represent those contained in the records of the Company.

Methods used: ASTM A370, A510, A615, A706.

Material test report shall not be reproduced except in full, without approval of the company.

Jon Ball
General Supervisor of Quality