

REPORT OF CHEMICAL/PHYSICAL TESTS

CERTIFICATE NO.	DATE	PAGE
1639573	Nov 28, 2018	1
MILL ORDER NO.	DATE	
326839		
CUSTOMER ORDER NO.		
306202		
JOB/REQ. NO.		
SHIPPING NO.		
1639573	DATE	
	11/28/2018	
CARRIER		
UNION PACIFIC		
CAR/TRUCK NO.		
CW6091		



SOLD TO

NORTH SHORE SUPPLY COMPANY
PO BOX 9940
HOUSTON, TX 77213
USA

NORTH SHORE SUPPLY COMPANY
PO BOX 9940
HOUSTON, TX 77213
USA

THIS MATERIAL HAS BEEN MANUFACTURED, TESTED AND FOUND TO MEET THE SPECIFICATIONS AND PURCHASE ORDER REQUIREMENTS
CARBON STRUCTURAL QUALITY PLATE ABS GRADE A/B KILLED FINE GRAIN ASTM A131 GRADE
A/B ASTM A36-14 ASME SA36-17 NO WELD REPAIR. KILLED FINE GRAIN PRACTICE. .80
MIN MN, 1.20 MAX MN, .

PHYSICAL PROPERTIES

ITEM NO	DESCRIPTION	HEAT NO.	SLAB	YIELD PSI X 100	TENSILE PSI X 100	% ELONG 8" 2"	% RA	HARDNESS BHN	BEND TEST	IMPACTS
4	WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED TO THE APPLICABLE SPECIFICATION AND TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AMERICAN BUREAU OF SHIPPING RULES WITH SATISFACTORY RESULTS. 0.2500 X 120.000ME X 480.000									
	2 PCS 8168 LBS	^ N19123		462 492	660 655	30 31				
	1 PC 4084 LBS	^ N19130		479 505	660 685	29 28				
	5 PCS 20420 LBS	^ N19525		490	710	26				
	5 PCS 20420 LBS	^ N19744		466	660	30				



CHEMICAL ANALYSIS

HEAT NO.	C	Mn	P	S	Si	Cu	Ni	V	Cb	Al	Cr	Mo	Ti	B	N	Ca	CE	McQuaid Ehn Grain Size
^N19123	.14	.85	.011	.002	.20	.01	.05	.002	.000	.044	.03	.00						
^N19130	.13	.83	.008	.003	.25	.01	.05	.000	.000	.049	.04	.00						
^N19525	.18	.91	.014	.005	.27	.01	.05	.003	.000	.031	.02	.00						
^N19744	.14	.86	.013	.006	.20	.01	.05	.004	.000	.042	.02	.00						

HEATS INDICATED WITH (+) WERE MELTED & MANUFACTURED IN THE USA. HEATS INDICATED WITH (^) WERE ROLLED IN THE USA.
 N19123 (Country of Origin: RUSSIA)
 N19130 (Country of Origin: RUSSIA)
 N19525 (Country of Origin: RUSSIA)
 N19744 (Country of Origin: RUSSIA)

I certify the above to be correct as contained in the records of EVRAZ INC. NA

By

Aaron Capps

Quality Coordinator