


REPORT OF CHEMICAL/PHYSICAL TESTS

CERTIFICATE NO.	DATE	PAGE
1633449	Oct 18, 2018	1
MILL ORDER NO.	DATE	
326840		
CUSTOMER ORDER NO.		
306202		
JOB/REQ. NO.		
SHIPPING NO.	DATE	
1633449	10/18/2018	
CARRIER		
UNION PACIFIC		
CAR/TRUCK NO.		
SSW87803		



SOLD TO

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

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 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
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.										
1	0.3125 X 120.000ME X 480.000									
	7 PCS 35735 LBS	^ N19377		437 456	635 640	38 29				
3	0.3750 X 120.000ME X 480.000									
	6 PCS 36756 LBS	^ N19123		462 492	660 655	30 31				
	3 PCS 18378 LBS	^ N19130		479 435	660 640	29 29				



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
^N19377	.13	.88	.013	.010	.20	.01	.05	.008	.000	.043	.04	.00						
^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						

HEATS INDICATED WITH (+) WERE MELTED & MANUFACTURED IN THE USA. HEATS INDICATED WITH (^) WERE ROLLED IN THE USA.

I certify the above to be correct as contained in the records of EVRAZ INC. NA By Aaron Capps
 Quality Coordinator