

REPORT OF CHEMICAL/PHYSICAL TESTS

CERTIFICATE NO.	DATE	PAGE
1589121	Jan 30, 2018	3
MILL ORDER NO.	DATE	
317799		
CUSTOMER ORDER NO.		
296856		
JOB/REQ. NO.		
SHIPPING NO.	DATE	
1589121	01/30/2018	
CARRIER		
UNION PACIFIC		
CAR/TRUCK NO.		
SSW88333		

ISO 9001 REGISTERED
U.S. PLATE PRODUCER

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 ASTM A36-14/ASME SA36 2017 ASTM A709-17 GRADE
36. KILLED FINE GRAIN PRACTICE. .25 MAX C , .80 MIN MN, 1.20 MAX MN, REPORT ALL RESIDUALS.

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	0.2500 X 120.000ME X 360.000 4 PCS 12252 LBS	^ N16942		445	635	32				
5	0.2500 X 120.000ME X 240.000 PT# TOP STIFFENER 1 PC 2042 LBS	^ N16445		540 473	670 660	34 29				
	10 PCS 20420 LBS	^ N16941		394 456	615 650	32 30				
	39 PCS 130688 LBS TOTALS									

CHEMICAL ANALYSIS

HEAT NO.	C	Mn	P	S	Si	Cu	Ni	V	Cb	Al	Cr	Mo	Ti	B	N	Ca	CE	McQuig Ehn Grain Size
^N16942	.13	.86	.012	.005	.18	.01	.05	.003	.000	.048	.02	.00					.28	
^N16445	.15	.87	.013	.004	.18	.01	.05	.006	.000	.042	.02	.00					.31	
^N16941	.14	.87	.010	.005	.22	.01	.05	.002	.000	.032	.02	.00					.29	

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

..... END OF REPORT



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

Quality Coordinator