



EVRAZ INC. NA

Evraz Oregon Steel 14400 N. Rivergate Blvd., Portland, Oregon 97203

## REPORT OF CHEMICAL/PHYSICAL TESTS

CERTIFICATE NO.	DATE	PAGE
1772893	Apr 16, 2021	2
MILL ORDER NO.	DATE	
361601		
CUSTOMER ORDER NO.		
SP3200		
JOB/REQ. NO.		
SHIPPING NO.	DATE	
1772893	04/16/2021	
CARRIER		
Trinity Transport		
CAR/TRUCK NO.		
KEENTRK53513		

ISO 9001

REGISTERED

U.S. PLATE PRODUCER

S  
O  
L  
D  
T  
O

PDM STEEL SERVICE CENTER [SPARKS]  
ATTN:DON HAACK  
1250 KLEPPE LANE  
SPARKS, NV 89431  
US

PITTSBURGH DES MOINES-SPARKS  
ATTN:DON HAACK  
1250 KLEPPE LANE  
SPARKS, NV 89431

THIS MATERIAL HAS BEEN MANUFACTURED, TESTED AND FOUND TO MEET THE SPECIFICATIONS AND PURCHASE ORDER REQUIREMENTS  
EOS ALLOY ABRASION RESISTING PLATE AR500.

## 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
2	0.5000 X 96.000ME X 288.000 1 PC 3920 LBS 21C0600+! RS3413 A614							499		
3	0.6250 X 96.000ME X 288.000 THE FOLLOWING PLATES WERE AUSTENITIZED AT 1600 DEGS F FOR 38 MINUTES AND WATER QUENCHED THEN TEMPERED AT 380 DEGS F FOR 39 MINUTES AND AIR COOLED 1 PC 4901 LBS 21C0611+! RS3149 A622 THE FOLLOWING PLATES WERE AUSTENITIZED AT 1600 DEGS F FOR 38 MINUTES AND WATER QUENCHED THEN TEMPERED AT 380 DEGS F FOR 41 MINUTES AND AIR COOLED 1 PC 4901 LBS 21C0612+! RS3149 A622							489 494		
4	0.7500 X 96.000ME X 288.000 THE FOLLOWING PLATES WERE AUSTENITIZED AT 1600 DEGS F FOR 23 MINUTES AND WATER QUENCHED THEN TEMPERED AT 400 DEGS F FOR 23 MINUTES AND AIR COOLED 1 PC 5881 LBS 21C0615+! RS3151 A616							496		

## CHEMICAL ANALYSIS

HEAT NO.	C	Mn	P	S	Si	Cu	Ni	V	Cb	Al	Cr	Mo	Ti	B	N	Ca		CE	McQuay Ntn Grain Size
+! RS3413	.28	.88	.008	.002	.45	.15	.38	.004	.002	.048	.48	.21	.054	.0022					
+! RS3149	.31	1.01	.009	.001	.47	.28	.24	.005	.003	.037	.54	.18	.046	.0022					
+! RS3151	.31	1.01	.010	.002	.47	.26	.21	.005	.003	.036	.53	.18	.045	.0018					
HEATS INDICATED WITH (!) WERE MELTED & POURED IN CANADA. 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 \_\_\_\_\_