

Date: 6/24/2023
Tag: B11062323

To: SENTRY SUPPLY dba

SO#: A769286

Ln#: 1

PO#: P0242304-08

Part: FP050096*

Qty: 1 Heat#: S32894*



Bulletin Order Item Heat PO No.
T137208 JSW22604-02 S32894 15952

METALLURGICAL TEST REPORT

Document MET - 04 Rev. No.: 4 Rev. Date: 08/16/22
MTR Rev. 0 4/3/2023

Order Dimensions Slab Origin TC No.
0.5x96x480 JSW USA T137208-2894-1

Shipping Mode
TRUCK

MELTED AND MANUFACTURED IN THE USA.

S32894

P1050

SSW136534

Plates Certified for the Following grades
ASTM-A36, ASTM-A709-36, ASME-SA36 AR

Specifications

Marking Instructions

Stencil in 1 location(s); X Loc. 18 Y Loc. 30; CUST: MADE IN USA PN PO;
DIM GRADE: FREIGHT ORDER ITEM PLATE ID SHIPWEEK SLAB ID
TRANSMODE Stamp in 1 location(s); X Loc. 18 Y Loc. 12; Slab ID; Slab
ID; Slab ID

Hot Rolled Carbon Steel Plates
Plates Manufactured in the USA

Sold To: RANGEL STEEL 1225 NORTH LOOP WEST HOUSTON, TX 77068
Ship To: RANGEL STEEL 9640 CLINTON DR HOUSTON, TX 77029

Complies with ASME SA36, 2015; Complies with ASTM A709, 2015; Complies with ASTM A36, 2015

Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	N	V	B	Ti	Nb	Ca	CE
LADLE	0.10	0.85	0.009	0.008	0.20	0.063	0.044	0.032	0.019	0.046	0.040	0.0082	0.002	0.0004	0.002	0.000	0.0019	0.26

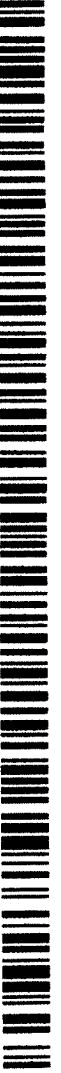
Carbon Equivalent CE = C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15
PCM = C + Si/30 + Mn/20 + Cu/20 + Ni/60 + Cr/20 + Mo/15 + V/10 + 5B
AWS = C + (Mn+Si)/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15

Plate Tested	Smpl. Loc.	Slab Identity	Gauge Tested	Test Cond	Dir.	Test Yield (KSI)	Yield Point (KSI)	Ten. Stgth. (KSI)	Elong in 2" Ratio	YS/UTS	Yield Strength Determined At
1297502	A	06A	0.5000	AR	T	51	69	26.0%	0.73	0.2%	
1297512	A	06B	0.5000	AR	T	48	68	35.0%	0.71	0.2%	

Plates Certified For The Above Tests

Material	Thick(IN)	Width (IN)	Len(IN)	Wgt(LB)	Material	Thick(IN)	Width(IN)	Len(IN)	Wgt(LB)
1298102A	0.5000	96.000	480.00	6534.144	1298102B	0.5000	96.000	480.00	6534.144

DIN: EN 10204 2004 3.1 This is to certify that the product described herein was manufactured, sampled, and tested in accordance with the specifications and requirements in such specifications. Fine Grain, Si-Al Fully Killed Steel. We certify that delivery of this product with the requirement of the specification and purchase order received from customer. DRC Conflict Free. No intentional addition of Pb, Se, S, Hg or B. JSW Steel USA, Inc is an ISO 9001:2015 certified facility.



Jackie Tamayo 281-383-U.