

West Coast Metals

17401 NE Halsey Suite B, Portland, OR 97230

PACIFIC STEEL-NAMPA#

PO/Rel: 21065518

STAINLESS PLATE SPL 1/4" x 48" x 120" HRAP ASTM A-240 316L

CCW Buyout

114" & 7ga

Certificate of Mill Test Results

Contact: JEREMY

Inv: I083392

Date: 08/06/2021

Heat: M30X

21065518



NORTH AMERICAN
STAINLESS

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 695400 06 Mail To:

Customer: 3585 059

WEST COAST METALS
17401 NE HALSEY STREET, SUITE B
PORTLAND, OR 97230

Ship To:

WEST COAST METALS
17401 NE HALSEY STREET, SUITE B
PORTLAND, OR 97230

Date: 5/27/2021 Page: 2

Steel: 316/316L

Finish: HRAP

Your Order: P037761

NAS Order: AN 0935937 11

Corrosion: ASTM A262/15;180Bend-OK

PRODUCT DESCRIPTION:

STAINLESS STEEL CONT.MILL PLATE, HRAP; UNS 31600/31603
ASTM A240/20,A480/20a,A666/15;ASME SA240/19,SA480/19,SA666/19
CHEM ONLY ON FOLLOWING ASTM: A276/17,A479/17,A484/16,A312/16
CHEM ONLY ON FOLLOWING ASME: SA312/11,SA479/11
AMS 5507H/5524M X MRK;
NACE MR0175/ISO 15156-3:2009 A, MR0103/07; QQS766D-A X MAG PERM
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1; RoHS 1, 2 & 3 Compliant
Material is Free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001
*Melted & Manufactured in the USA; Mat'l is DFARS Compliant
*Melted & Manufactured in the USA; Mat'l is DFARS Compliant

088814

Product ID #	Coil #	Thickness	Width	Weight	-----Length-----	Mark	Pieces
F83530	* 03M30X A	.2500	48.0000	2,490	SHEET	120.00 50	6

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

ANAB, ISO/IEC 17025, Certificate# L2323

Chemical Analysis per ASTM A751/20

HEAT	CM	C %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
M30X	US	.0150	16.5340	.3870	1.3740	2.0085	.0545	10.0100	.0290	.0010
SI %										
.2940										

MECHANICAL PROPERTIES

Product ID #	Coil #	1 d o i c r	UTS KSI	20C .2% YS KSI	20C ELONG %-2"	% Hard RB	Tail Hard
F83530	03M30X A	F T	89.32	47.73	49.26	85.50	86.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

KRIS LARK

5/27/2021

West Coast Metals

17401 NE Halsey Suite B, Portland, OR 97230

PACIFIC STEEL-NAMPA#

PO/Rel: 21065518

STAINLESS SHEET SSH 7ga x 48" x 120" ASTM A-240 316L 2B

Certificate of Mill Test Results

Inv: 1083392

Date: 08/06/2021

Heat: 860448

21065518

CCW Buyout

NOTICE OF SHIPMENT/ PACKING LIST

A&T STAINLESS

ADCL12107

A&T 1000 118

CERTIFICATE OF TEST

CUST. ORD. NO. & DATE: L89619 04/02/20 CUST. CODE: 877195 FINISHING LOCATION: MIDLAND, PA SHIPPER NO.: 441566 PRODUCT CODE: 13010102060064 MILL ORDER NUMBER: 72-040-051 DATE SHIPPED: 05/26/20
FORW. DISTRIBUTION: MG BILL REPEAT ORDER: 10878-072 GOVT CONTRACT: 1237 BENWOOD SHIP TO: WV 004761 158
SOLD TO: TA CHEN INTERNATIONAL, INC 5855 OBISPO AVENUE LONG BEACH CA 90805 PRIME SEC. DSO DSO TA CHEN INTERNATIONAL INC 11101 S. TACOMA WAY, SUITE C LAKEWOOD WA 98499

GRADE AND SPECIFICATIONS: 316L STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2B FIN 3 EDGE A&T STAINLESS (316/316L) (AMS 5524L R2014) (AMS 5507H) (ASME-SA-480 ED 2019) (ASTM-A-480-19A) (ASTM-A-240-19) (ASME-SA-240 ED 2019) (ASTM-A-666-15) (DIN EN 10204:2005 3.1 CERTIFICATE)

CARRIER - T-R-T INTERMODAL INC

ITEM	PCS	DIMENSIONS	W/G/L	HEAT #	COIL #	TEST #	GROSS	TARE	NET	THEO	TAG #/	CD	SKID #
001A	11	48.125/	.1874/120.	860448	AAD02592-BA	M420705	3440	100	3340				
	11	48.125/	.1874/120.	860448	AAD02592-BB	M420705	3440	100	3340				
	11	48.125/	.1874/120.	860448	AAD02592-BC	M420705	3440	100	3340				
	11	48.125/	.1874/120.	860448	AAD02592-BD	M420705	3440	100	3340				
	11	48.125/	.1874/120.	860448	AAD02592-BE	M420705	3440	100	3340				
	11	48.125/	.1874/120.	860448	AAD02592-BF	M420705	3440	100	3340				
	7	48.125/	.1874/120.	860448	AAD02592-BG	M420705	2260	100	2160				
C CUST IDENTITY 7GA48120316L2B/AI							22900	700	22200				
7 SKIDS													

DIST: INVOICES OBTAINED FROM WEBSITE - NO DISTRIBUTION NEEDED MAIL S/N TO "ATTN: CLAIR YU" AT THE SOLD TO ADDRESS

TYPE	HEAT/TEST (WT %)	--C--	--MN--	--P--	--S--	--SI--	--CR--	--NI--	--MO--	--CU--	--N--
HEAT	860448	.022	1.64	.026	.0001	.32	16.66	11.01	2.29	.33	.04
TEST LOCATION		BN	BN	BN	BN	BN	BN	BN	BN	BN	BN

ITEM	TEST NO	YIELD	TENSILE	% ELONG	HARDNESS	BEND	A 262	PR E	SIZE	HARDENABILITY
001A	M420705	PSI *	PSI	IN 2" % R/A	NR	84.HRBW	T PASS	PASS	NR	NR
TEST LOCATION		TC	TC	TC	TC	TC	TC	TC		

* Y.S. BY 0.2% OFFSET METHOD

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CONSIGNEE - Please Note - This consignment is based on the carrier in first class condition, being correctly loaded at which time our responsibility for loss or damage to shipment ceases. For your protection please examine shipment as it arrives. If any shortages or damage is discovered, make a full description made by transportation agent on waybill before signing.

WARNING
Safety Data Sheets for this product are available. A thorough review of the Safety Data Sheet for the grade of material purchased shall be performed prior to working with this product and all safety & health considerations outlined must be heeded.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in A&T Stainless Steel, LLC Order Acknowledgement.

Robert Turner
Sr. Manager, Technology

MILL TEST REPORT
Customer: WESPRT PO#: P035544 SO#: LEBXEA
Item: 7GA48120316L2B Bundle: AAD02592-BE Heat#: 860448
TA CHEN INTERNATIONAL, INC.

This MTR contains 1 page (Page # 1)
MTR#: ADCL12107.GIF

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West Coast Metals

17401 NE Halsey Suite B, Portland, OR 97230

PACIFIC STEEL-NAMPA#

PO/Rel: 21065518

STAINLESS SHEET SSH 7ga x 48" x 120" ASTM A-240 316L 2B

Contact: JEREMY

Inv: 1083392

Date: 08/06/2021

Heat: 860448

Certificate of Mill Test Results

NOTICE OF SHIPMENT/ PACKING LIST

A&T STAINLESS

CERTIFICATE OF TEST

AST 1000 118

CUST. ORD. NO. & DATE		CUST. CODE		FINISHING LOCATION		SHIPPER NO.		PRODUCT CODE		MILL ORDER NUMBER		DATE SHIPPED	
L89619 104/02/20		877195		MIDLAND, PA		441566		13010102069064		72-040-051		05/26/20	
FORMS DISTRIBUTION		MG BIL.		DO		GOVT CONTRACT		MATERIAL		SHIPPING LOCATION		INVOICE	
SOLD TO 3		L379146		10878-0				1237 BENWOOD		WV		004761 158	
SOLD TO				PRIME SEC.		SHIP TO							
TA CHEN INTERNATIONAL, INC				DSO DSO		TA CHEN INTERNATIONAL INC							
5855 OBISPO AVENUE				10		11101 S. TACOMA WAY, SUITE C							
LONG BEACH CA 90805						LAKEWOOD WA 98499							

GRADE 316L STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2B FIN 3 EDGE A&T STAINLESS (316/316L)

ITEM TEST NO	TEST
001A M420705	SAMPLE GA.
	.1861
	.1822
TEST LOCATION	TC
	# ELONG AT FRACTURE

NR = DATA NOT REQUIRED
GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

ALLEGHENY & TSINGSHAN STAINLESS DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS.

MATERIAL IS OF USA MELT AND MANUFACTURE.

THESE COMMODITIES OR TECHNOLOGY, WHEN EXPORTED FROM THE UNITED STATES, ARE IN ACCORDANCE WITH THE USA EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. U.S. LAW ALSO PROHIBITS DISPOSITION OF THESE COMMODITIES/TECHNICAL DATA TO ANY END-USER OR FOR ANY END-USE RELATED TO THE DESIGN, DEVELOPMENT, PRODUCTION, STOCKPILING, OR USE OF CHEMICAL, BIOLOGICAL, OR NUCLEAR WEAPONS, OR MISSILES, WITHOUT THE PROPER APPROVAL OF THE UNITED STATES GOVERNMENT.

DIN EN 10204:2005 - ALLEGHENY AND TSINGSHAN STAINLESS, LLC IS APPROVED AS A MANUFACTURER ACCORDING TO PRESSURE EQUIPMENT DIRECTIVE PED 2014/68/EU.

PAGE 02 - CONTINUED ON PAGE 03

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CONSIGNEE - Please Note - This consignment is turned over to customer in last clean condition, being correctly loaded, at which time the responsibility for loss or damage is observed cleared. For your protection please, examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transmittal agent on waybill before signing.

WARNING
Safety Data Sheets for this product are available. A thorough review of the Safety Data Sheet for the grade of material purchased shall be performed prior to working with this product and all safety & health considerations outlined must be implemented.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny & Tsingshan Stainless, LLC Order Acknowledgement.

Robert Lawrence
Sr. Manager, Test Lab

MILL TEST REPORT

TA CHEN INTERNATIONAL, INC.

This MTR contains 2 pages (Page # 1)

Customer: WESPRT PO#:P035544 SO#:LEBX4
Item:7GA48120316L2B Bundle:AAD02592-8E Heat#:860448

MTR#IADCL12107.GIF

West Coast Metals

17401 NE Halsey Suite B, Portland, OR 97230

PACIFIC STEEL-NAMPA#

PO/Rel: 21065518

STAINLESS SHEET SSH 7ga x 48" x 120" ASTM A-240 316L 2B

Certificate of Mill Test Results

Contact: JEREMY

Inv: I083392

Date: 08/06/2021

Heat: 860448

NOTICE OF SHIPMENT/ PACKING LIST

A&T STAINLESS

CERTIFICATE OF TEST

AAT 1000 118

CUST. ORD. NO. & DATE	04/02/20	CUST. CODE	877195	FINISHING LOCATION	MIDLAND, PA	SHIPPER NO.	441566	PRODUCT CODE	13010102060064	MILL ORDER NUMBER	72-040-051	DATE SHIPPED	05/26/20
FORMS DISTRIBUTION	MG BILL	REPEAT ORDER	10878-0	DO RATE	72	GOVT CONTRACT		MATL	1237 BENWOOD	SHIPPING LOCATION	WV	INVOICE	004761
SOLD TO	TA CHEN INTERNATIONAL, INC	PRIME SEC.	DSO DSO	SHIP TO	TA CHEN INTERNATIONAL INC								
5855 OBISPO AVENUE		10			11101 S. TACOMA WAY, SUITE C								
LONG BEACH	CA 90805				LAKEWOOD								

GRADE
316L STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2B FIN 3 EDGE A&T STAINLESS (316/316L)

MATERIAL WAS PRODUCED IN ACCORDANCE WITH ALLEGHENY & TSINGSHAN STAINLESS QUALITY MANUAL DATED MAY 13 2019. CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW.

ALLEGHENY & TSINGSHAN STAINLESS, LLC QUALITY SYSTEM CERTIFIED ACCORDING TO EQUIPMENT DIRECTIVE 2014/68/EU, ANNEX I, SECTION 4.3 BY TUV SUD, INDUSTRIE SERVICE GMBH, (NOTIFIED BODY 0036).

ALLEGHENY & TSINGSHAN HAS NO CONTROL OVER CUSTOMER PROCESSING OF MATERIAL; INCLUDING, BUT NOT LIMITED TO, BUFFING OR ELECTROPOLISHING MATERIAL WITH A 2B OR OTHER FINISH, AND DOES NOT REPRESENT OR GUARANTY THAT THE MATERIAL IS SUITABLE FOR ANY PARTICULAR PROCESS OR USE OF CUSTOMER.

EN 10204:2005 3.1 CERTIFICATE.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:

BN = ATI FRP BRACKENRIDGE; 100 RIVER ROAD; BRACKENRIDGE, PA 15014

TC = ATI FRP NATRONA HEIGHTS; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

FOR ACCESS TO ONLINE CERTIFICATES OF TEST
REGISTER AT MYATI.ATIMETALS.COM

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05/26/20 09:28:35

CONSIGNEE- Please Note- This commitment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for any damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, turn a full description made by inspection agent, on receipt before signing.

WARNING
Safety Data Sheets for this product are available. A thorough review of the Safety Data Sheet for the grade of material purchased shall be performed prior to working with this product and all safety & health considerations outlined must be implemented.

This is a true copy of data on file. The material and test results conforms to the test contract and specification(s) as set forth in Allegheny & Tsingshan Stainless, LLC Order Acknowledgment.

Robert Lamm
Sr. Manager, Technology

MILL TEST REPORT

Customer: WESTPRT PO#:P035544 SO#:LEBXEA
Item: 7GA48120316L2B Bundle: AAD02592-BE Heat: 860448

TA CHEN INTERNATIONAL, INC.

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