

**NOTICE OF SHIPMENT/  
PACKING LIST**



AL 6188 4-1211

**CERTIFICATE OF TEST**

CURT. ORD. NO. & DATE

8432/5471  
FORMS DISTRIBUTION

SOLD TO →

CURT. CODE

12/09/13 923712

ACCEPTING MILL

LOUISVILLE, OH

SHIPPER NO.

404509

PRODUCT CODE

13020116120000

MILL ORDER NUMBER

32-123-050

DATE SHIPPED

12/17/13

FORMS DISTRIBUTION

SOLD TO →

REPEAT ORDER

01531-0

DATE

29

GOVT CONTRACT

MAT'L

6120

SHIPPING LOCATION

LOUISVILLE

INVOICE

OH 240553

**GRADE AND SPECIFICATIONS**

ATI GRADE 2 UNALLOYED TITANIUM SHEET C R COILS ANNEALED IBA FIN MILL EDGE (ASTM-B-265-13A) (ASTM-E-29-13) (ASTM-E-8-11) (ASTM-E-1447-09) (ASTM-E-1409-08) (ASTM-E-1941-10) (ASTM-E-290-13)

CARRIER CUSTOMER TRUCK

**ITEM PCS DIMENSIONS W/G/L**

ITEM	PCS	DIMENSIONS W/G/L	HEAT #	COIL #	TEST #	GROSS TARE NET	THEO	TAG # / CD	SKID #
010A	1	49. / .0206 / 2106	EM95JB	08423T021A	L265045	4200 40	4160	4119 290732	
C						4200 40	4160	4119	

**ORDER REMARKS:**

THE ABSENCE OF INTERLEAVE PAPER CAN LEAD TO SURFACE DAMAGE. A/L WILL ASSUME NO RESPONSIBILITY FOR SUCH DAMAGE ON ORDERS WHICH PROHIBIT PAPER INTERLEAVE.

**DIST:**

EMAIL AND MAIL ACKNOWLEDGMENTS TO MCGINNIS@UNITI-TITANIUM.COM / KUNKLE@UNITI-TITANIUM.COM  
SHADERLIE@UNITI-TITANIUM.COM SEND ONLY ENGLISH INVOICES, NO METRIC ORDERS NO CERTS TO THE SOLD-TO, UNITI RECEIVES THRU ON-DEMAND

**TYPE HEAT/TEST (WT %)**

FINAL EM95JB  
TOP .01  
BOT .01

**TEST LOCATION**

RW RW RW

**YIELD TENSILE & ELONG**

PSI \* PSI IN 2" & R/A HARDNESS BEND NR  
L 45700. 67000. 31. NR  
L 46100. 67500. 30. NR  
TC TC

\* Y.S. BY 0.2% OFFSET METHOD

**GRAIN**

SIZE NR H2 CHECK NR  
NR .0061  
NR .0063  
TC

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COUSE/SEE. Please Note: This copy must use turned over to carrier in final close condition, being correctly headed at which time our responsibility for loss or damage in shipment ceases. For protection please advise shipment as to correct if any shortage, damage or loss is observed, have a full description made by transportation agent on waybill before signing.

Material Safety Data Sheets for this product have been supplied to the purchasing department. For an additional copy please call 724-226-5280. CAUTION: Processing this material under certain conditions may cause lung disease. See Material Safety Data Sheet for further information.

WAR-180  
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 the buyer's purchase order. Acknowledgment.

Stephen Wolf  
Director, Corporate Quality Assurance

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**CERTIFICATE OF TEST**

AL 81824 1211

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6120-LOUISVILLE

INVOICE

OH 240553

PRIME SEC.  
DSO DSO  
59

ATI GRADE 2 UNALLOYED TITANIUM SHEET C R COILS ANNEALED IBA FIN MILL EDGE  
CARRIER CUSTOMER TRUCK

ITEM TEST NO	YIELD	TENSILE	TRAN ELONG	BEND
010A L265045	PSI +	PSI	IN 2 INCH	BOTTOM
	T 52000.	63000.	31.	BEND
	T 53000.	64000.	29.	T PASS
	TC	TC	TC	TC

NR = DATA NOT REQUIRED  
GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

DIN EN 10204:2005 - 3.1 CERTIFICATE DOES NOT INDICATE PED APPROVAL FOR THIS MATERIAL.  
THIS CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL. MATERIAL MELT AND CHEMICAL TESTING WERE PERFORMED BY AN OUTSIDE ATI AL APPROVED SUPPLIER.

ATI ALLEGHENY LUDLUM PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES:  
C, S BY COMBUSTION/INFRARED  
N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY  
MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF  
B BY OES  
AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES  
PB, BI, AG BY GFAA

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:  
RW = ATI-RICHLAND; 3101 KINGSGATE WAY; RICHLAND, WA. 99354  
TC = ATI-ALLEGHENY LODDUM; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065  
XXI = CALCULATED

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**COMPLIANCE - Please Note:** This certification was turned over to carrier in that class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or discrepancy is encountered, file a full description made by transportation agent on receipt before signing.

**WARNING - Please Note:** This information is provided for your information only. It does not constitute an offer of insurance or any other financial product. For more information, please contact your insurance broker. Allegheny Ludlum's insurance policy number is 724-228-5680. CAUTION: Processing that makes titanium a fire hazard. In production of titanium, dust, fumes, gas, or reactions may cause fire or explosion. See Material Safety Data Sheet for further information.

The above is a true copy of data on file. The material and test results conform to the end user's and specifications as set forth in Allegheny Ludlum's Order Acknowledgment.

Stephen Wall  
Director, Corporate Quality Assurance

