

**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

INVOICE

MATERIAL

6120 LOUISVILLE

SHIPPING LOCATION

OH 240553

GOVT CONTRACT

01531-029

PRIME SEC.

DSO DSO 59

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

010A 1 49. / .0206 / 2106.

1 SKID

HEAT # COIL # TEST # GROSS TARE NET THEO TAG # / CD SKID #

EM95JB 08423T021A L265045 4200 40 4160 4119 290732
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

YIELD TENSILE & ELONG IN 2" & R/A HARDNESS BEND
PSI * PSI NR NR
L 45700. 67000. 31. NR NR
L 46100. 67500. 30. NR NR
TC TC
* Y.S. BY 0.2% OFFSET METHOD

R-EACH R-TOTL
<.1000 <.4000
<.1000 <.4000
RW XX RW XX

GRAIN SIZE H2 CHECK
NR .0061
NR .0063
TC

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

WAR-180
Material Safety Data Sheets for this product have been supplied to the purchasing department. For an additional copy please call 724-226-5900. CAUTION: Processing this material under conditions of stress may cause hydrogen embrittlement. Safety Data Sheets for further information refer to our Bureau d'information-accueil. Les fiches d'information-accueil de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des renseignements supplémentaires, veuillez téléphoner au numéro suivant 724-226-5900. Attention: Un traitement de ce matériau sous contrainte peut entraîner la production de fissures, pointes, ou autres défauts. Des fiches de renseignements se référer aux Bureaux d'information-accueil.

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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PACKING LIST**



CERTIFICATE OF TEST

AL 61624 1211

CUST. ORD. NO. & DATE

8432 / 5471
FORWARD DISTRIBUTION

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CUST. CODE

923712

ACCEPTING MILL

LOUISVILLE, OH

SHIPPER NO.

404509

PRODUCT CODE

13020116120000

MILL ORDER NUMBER

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SHIPPING LOCATION

6120-LOUISVILLE

INVOICE

OH 240553

REPEAT ORDER

01531-0

PRIME SEC.

GOVT CONTRACT

MAT

DATE SHIPPED

12/17/13

SHIPPING LOCATION

6120-LOUISVILLE

INVOICE

OH 240553

DSO 59

PRIME SEC.

DSO 59

GOVT CONTRACT

MAT

DATE SHIPPED

12/17/13

SHIPPING LOCATION

6120-LOUISVILLE

INVOICE

OH 240553

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.	BEND
	T 53000.	64000.	T PASS
TEST LOCATION	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 LODDLUM; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065
XXI = CALCULATED

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WARNING: Please Note-This material 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: This product has been tested and found to conform to the requirements of ASTM F1363-02. It is not intended for use in applications where failure would result in death or serious injury. For more information, please contact Allegheny Ludlum at 724-238-5600.

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

Stephen Wall
Director, Corporate Quality Assurance

