

**NOTICE OF SHIPMENT/  
PACKING LIST**



**CERTIFICATE OF TEST**

AL 6155-3 006

CONST. ORDER NO. & DATE 6125/073705	SHIP DATE 09/01/10	UNIT CODE 923712	ACCEPTING MILL LOUISVILLE, OH	SHIPPER NO. 471547	PRODUCT CODE 13010103060000	MILL ORDER NUMBER 32-090-002	DATE SHIPPED 09/30/10	
FORWARD DISTRIBUTION SOLD TO 1 SHIP TO		REPEAT ORDER 90447-2	DI RATE 29	GOV'S CONTRACT	MATL. 6120 HARMONY	SHIPPING LOCATION PA	INVOICE 241040	
SOLD TO UNITY TITANIUM LLC ONE THORN RUN CENTER SUITE 325 1187 THORN RUN ROAD EXTENSION MOON TOWNSHIP PA 15108				PRIME SEC. DSO DSO 59				130

**GRADE AND SPECIFICATIONS** CARRIER - CUSTOMER TRUCK (ABF)  
**COMMERCIALLY PURE TITANIUM GRADE 2 SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE (ASTM-B-265-10 - GRADE 2)**  
**(ASME-SB-265 A09 - GRADE 2) (DIN EN 10204:2005 3.1 CERTIFICATE)**

ITEM	PCS	DIMENSIONS W/G/L	HEAT #	LIFT #	TEST #	GROSS	TARE	NET	THEO	TAG #/	CD SKID #
001A	27	48./063/120.	020490R	04450T446BA	L243069	2000	382	1618		736859	
	27	48./063/120.	020490R	04450T446BB	L243069	1996	380	1616		736860	
	23	48./063/120.	020490R	04450T446BC	L243069	1756	376	1380		736861	
P											
	3	SKIDS				5752	1138	4614			

**DIST: EMAIL ACKNOWLEDGEMENTS TO MCGINNIS@UNITY-TITANIUM.COM AND KUNKLE@UNITY-TITANIUM.COM SEND ONLY ENGLISH INVOICES. NO METRIC ORDERS NO CERTS TO THE SOLD-TO. UNITY RECEIVES THRU ON-DEMAND**

**TYPE HEAT/TEST**      --C-- --TI-- --N-- --FE-- --O-- R-EACH R-TOIL  
**HEAT 020490R**      .01      BAL .003      .08      .15      <.1000 <.4000

ITEM TEST NO	YIELD TENSILE % ELONG				HARDNESS	BEND	ALPHA CASE	GRAIN SIZE	H2 CHECK
	PSI *	PSI	IN 2"	% R/A					
001A L243069	L 51000.	72000.	29.	NR NR	NR	PASS	NR	.0012	
TEST LOCATION	L 51500.	72500.	29.			PASS		.0010	
	TC	TC	TC			TC		TC	

\* Y.S. BY 0.2% OFFSET METHOD

ITEM TEST NO	YIELD TENSILE TRAN ELONG BEND				BEND	BOTTOM	BEND
	PSI *	PSI	IN 2 INCH	BOTTOM			
001A L243069	T 55500.	70000.	29.	L PASS	L PASS	T PASS	T PASS
TEST LOCATION	T 56000.	71000.	29.	L PASS	L PASS	T PASS	T PASS
	TC	TC	TC	TC	TC	TC	TC

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**CONSUMER NOTICE:** The consignment was turned over to carrier in free condition, being properly loaded, at which time our responsibility for loss or damage terminates or ceases. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, please call dispatcher immediately. We accept no responsibility for loss or damage to goods in transit unless insured.

**Material Safety Data Sheets** for this product have been supplied to your Purchasing Department. For an additional copy please call 724-328-6577. **CAUTION:** Processing this material may result in health hazards. See Material Safety Data Sheets for further information.

**WARNING:** Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des copies supplémentaires veuillez téléphoner au numéro suivant 724-328-6577. **ATTENTION:** Le traitement de ce matériau peut entraîner des dangers pour la santé. Voir les fiches d'information-sécurité pour plus de renseignements en français et en anglais.

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

*Tom McFarland*  
 Director, Corporate Quality Assurance

**NOTICE OF SHIPMENT/  
PACKING LIST**



**CERTIFICATE OF TEST**

AL 8168-3 908

CUST ORD NO & DATE 6125/P73705	09/01/10	CUST CODE 923712	ACCEPTING MILL LOUISVILLE, OH	SHIPPER NO 471547	PRODUCT CODE 13010103060000	MILL ORDER NUMBER 32-090-002	DATE SHIPPED 09/30/10
FORMS DISTRIBUTION SOLD TO UNITY TITANIUM LLC ONE THORN RUN CENTER SUITE 325 1187 THORN RUN ROAD EXTENSION MOON TOWNSHIP PA 15108	REPEAT ORDER 90447-2	DO RATE 29	DO FRY-ORGY PRIME SEC. DSO DSO 59	GOVT CONTRACT	MATL 6120 HARMONY	SHIPPING LOCATIONS PA	INVOICE 241040
							130

**GRADE AND SPECIFICATIONS**

COMMERCIALY PURE TITANIUM GRADE 2 SHEET C R CUT LENGTHS ANNEALED 2D PIN 3 EDGE (ASTM-B-265-10 - GRADE 2)  
(ASME-SB-265 A09 - GRADE 2) (DIN EN 10204:2005 3.1 CERTIFICATE)

CARRIER - CUSTOMER TRUCK (ABF)

NR = DATA NOT REQUIRED  
GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

ALLEGHENY LUDLUM DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS. TO THE BEST OF ALLEGHENY LUDLUMS KNOWLEDGE, UNDERSTANDING, AND BELIEF, THIS MATERIAL WAS NOT CONTAMINATED BY MERCURY WHILE IT WAS BEING PRODUCED IN OUR FACILITIES.

DIN EN 10204:2005 - 3.1 ALLEGHENY LUDLUM IS APPROVED AS A MANUFACTURER ACCORDING TO AD 2000 MERKBLATT AND THE PRESSURE EQUIPMENT DIRECTIVE PED 97/23/EC.

THIS CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL. MATERIAL MELT AND CHEMICAL TESTING WERE PERFORMED BY AN OUTSIDE ALC APPROVED SUPPLIER.

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:

TC = ATI-ALLEGHENY LUDLUM; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

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**COMMENTS:** Please Note - This certificate is valid only if carried in final clean condition, being correctly filled out, which lists out responsibility for loss or damage in shipping. For your protection please describe damages as it occurs. If any shortage or damage is discovered, issue a full description made by the appropriate agent on waybill before signing.

Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy please 124-228-6577. CAUTION: Processing that creates fumes, dust, or mist may cause lung disease. See Material Safety Data Sheets for further information.

**WARNING**  
Les fiches d'information - danger de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des copies supplémentaires veuillez téléphoner au numéro suivant 124-228-6577. Attention: les traitements entraînent la production de vapeurs, poussières, ou solutions aqueuses. Les causes de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information - sécurité.

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

Tracy McLeod  
Tracy McLeod  
Product Control Director

NOTICE OF SHIPMENT/  
PACKING LIST



CERTIFICATE OF TEST

AL 6168-3 008

CUST ORD NO & DATE	CUST CODE	ACCEPTING MIL	SHIPPER NO	PRODUCT CODE	INTL ORDER NUMBER	DATE SHIPPED
6125/P73705 FORMS DISTRIBUTION	09/01/10 923712	LOUISVILLE, OH	471547	13010103060000	32-090-002	09/30/10
SIN# TO → 1   REP TO →	REP# 90447-2	DD 29	PRV: GVTY	ASMT: 6120	SHIPPING LOCATION: HARMONY PA	INVOICE: 241040 130
SOLD TO UNITI TITANIUM LLC ONE THORN RUN CENTER SUITE 325 1187 THORN RUN ROAD EXTENSION MOON TOWNSHIP PA 15108			PRIME SEC. DSO DSO 59			

GRADE AND SPECIFICATIONS CARRIER - CUSTOMER TRUCK (ABF)  
 COMMERCIALLY PURE TITANIUM GRADE 2 SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE (ASTM-B-265-10 - GRADE 2)  
 (ASME-SB-265 A09 - GRADE 2) (DIN EN 10204:2005 3.1 CERTIFICATE)

<<<<<<<< FOR ACCESS TO ONLINE CERTIFICATES OF TEST >>>>>>>>  
 <<<<<<<< REGISTER AT WWW.ALCEXTRA.COM >>>>>>>>

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**CONDITIONS - Please Note:** This agreement may be voided due to carrier damage, loss, or damage in shipment. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, advise of full description, made by transporter agent on receipt of invoice.

**Material Safety Data Sheet:** for this product, have been applied to you. Purchasing Department. For an additional copy phone 724-236-8677. CAUTION: Packaging that makes turns, dust, or vibrations may cause degradation. See Material Safety Data Sheet for further information.

**WARNING:** Les fiches d'information sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires, veuillez téléphoner au numéro suivant 724-236-8677. Attention: Les emballages qui font tourner, poussent, ou vibrent peuvent causer la détérioration du produit. Pour plus de renseignements se référer aux fiches d'information sécurité.

This sheet is a true copy of data on file. The material and test results conform to the stated product and specification as set forth in Allegheny Ludlum's Order Acknowledgement.

Tom Meehan  
 Director, Corporate Quality Assurance