

**NOTICE OF SHIPMENT/
PACKING LIST**



CERTIFICATE OF TEST

AL 6168-8 417

CUST. ORD. NO. & DATE 9673 CUST. CODE 09/07/17 A464105 FINISHING LOCATION BRACKENRIDGE, PA SHIPPER NO. 552904 PRODUCT CODE 13010103060000 *** ENGLISH *** MILL ORDER NUMBER 32-097-032 DATE SHIPPED 01/08/18
SOLD TO 3 SHIP TO 1 SPEC 1 MG BILL L94321 REPEAT ORDER 09315-1 DO RATE 36 PRI-ORITY GOV'T CONTRACT MATL. 2354 BENWOOD SHIPPING LOCATION WV INVOICE 036065 158
SOLD TO PRIME SEC. DSO DSO SHIP TO 10

GRADE AND SPECIFICATIONS CARRIER - CMI FREIGHT TRANS, INC.
"ATI 600" NICKEL ALLOY SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE (MIL-N-6840A) (01/29/14 EXCEPTIONS TO MIL-N-6840) (AMS 5540P) (ASTM-B-168-11) (ASME-SB-168 ED 2015) (PWA 300 REV BP) (F-14, F-17, F-22, F-23, F-MASTER) (S-1000 DATED 05/23/2017) (DIN EN 10204:2005 3.1 CERTIFICATE) (UNS N06600) (WNR 2.4816) (S-400 DTD 06/03/2016) (CONTROLLED TO PWA LCS REQUIRMENTS) (ROLLS ROYCE SABRE) (NACE MR0103/ISO 17495-1:2016)

ITEM	PCS	DIMENSIONS W/G/L	HEAT #	COIL #	TEST #	GROSS	TARE	NET	THEO	TAG #/	CD	SKID #
001A	14	48./.125/120.031	526095	-01 AAC05729-A	3745161	3385	285	3100				
	14	48./.125/120.031	526095	-01 AAC05729-B	3745161	3385	285	3100				
	14	48./.125/120.031	526095	-01 AAC05729-C	3745161	3385	285	3100				
	14	48./.125/120.031	526095	-01 AAC05729-D	3745161	3385	285	3100				
	3	48./.125/120.031	526095	-01 AAC05729-E	3745161	945	285	660				
C CUST IDENTITY 6002D125X48XCTLCS						14485	1425	13060				
5 SKIDS												

TYPE	HEAT/TEST (WT %)	--C--	--MN--	--P--	--S--	--SI--	--CR--	--NI--	--AL--	--CU--	--CB--	--TA--	--TI--
HEAT	526095-01	.048	.22	.009	.0001	.24	16.05	75.13	.22	.02	.01	.01	.15
TEST LOCATION		TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC
HEAT	526095-01	.03	.002	7.80									
TEST LOCATION		TC	TC	TC									

MELT METHOD: EF + AOD + ESR

ITEM	TEST NO	YIELD PSI *	TENSILE PSI	% ELONG IN 2"	% R/A	HARDNESS	BEND	ASTM GRAIN SIZE	HARDENABILITY
001A	3745161	T 42400.	95500.	44. #	NR	84.HRBW	T PASS NR	7.5	NR
TEST LOCATION		TC	TC	TC		80.HRBW	TC	7.5	
		TC						TC	

* Y.S. BY 0.2% OFFSET METHOD

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Noreen Deferrari - *N. Deferrari*
Sr. Manager Quality, Corporate Quality Assurance

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9673		09/07/17		A464105		BRACKENRIDGE, PA		552904		13010103060000		32-097-032	
FORMS DISTRIBUTION		MG BILL		REPEAT ORDER		DO RATE		GOVT CONTRACT		MATL.		SHIPPING LOCATION	
SOLD TO → 3		SHIP TO →		SPEC → 1		09315-1		36		2354		BENWOOD	
SOLD TO		L94321		PRIME		SEC.		SHIP TO		WV		036065	
				DSO		DSO						158	
				10									

GRADE "ATI 600" NICKEL ALLOY SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE CARRIER - CMI FREIGHT TRANS, INC.

ITEM TEST NO P&W E-25
001A 3745161 TRAN BEND
2.

TEST LOCATION TC
ELONG AT FRACTURE

NR = DATA NOT REQUIRED
METALLOGRAPHIC MAGNIFICATION: 100X ETCHANT USED: HCl/NITRIC/ACETIC MIXED ACID

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

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.

ATI-FRP DEFINES THE GRAIN ORIENTATION NOMENCLATURE AS LONGITUDINAL (L) IS THE LENGTH, LONG TRANSVERSE (LT) IS THE WIDTH, AND SHORT TRANSVERSE (ST) IS THE THICKNESS OR GAUGE.

ATI FLAT ROLLED PRODUCTS HAS COMPLIED WITH ALL PRODUCER REQUIREMENTS OF AS6279.

ATI FLAT ROLLED PRODUCTS DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS.

MATERIAL IS OF USA MELT AND MANUFACTURE.

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Sr. Manager Quality, Corporate Quality Assurance

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Flat Rolled Products

14342

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SOLD TO		L94321		PRIME		SEC.		DSO		SHIP TO		036065		158	
				DSO		DSO		10							

GRADE
"ATI 600" NICKEL ALLOY SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE

CARRIER - CMI FREIGHT TRANS, INC.

NO WELDS/WELD REPAIRS PERFORMED.

EN 10204:2005 - ATI FLAT ROLLED PRODUCTS IS APPROVED AS A MANUFACTURER ACCORDING TO THE PRESSURE EQUIPMENT DIRECTIVE PED 2014/68/EU.

MATERIAL IS COMPLIANT WITH THE EUROPEAN UNION DIRECTIVES 2011/65/EU (ROHS2) AND 2015/863/EU (ROHS3) - RESTRICTION OF HAZARDOUS SUBSTANCES.

THIS CERTIFIED MATERIAL TEST REPORT 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. ATI FRP HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI FRP QUALITY MANUAL REVISION 26 DATED 06/14/2017. FOR THE TESTING SPECIFICATION USED IN THE ANALYSIS OF THE MATERIAL, PLEASE SEE THE SCOPE OF APPROVAL FOR NADCAP AND ISO/IEC 17025 FOR THE LABORATORIES. THE SCOPE OF THE APPROVALS CAN BE FOUND AT WWW.ATIMETALS.COM.

ATI FLAT ROLLED PRODUCTS WORKS TO THE ROLLS ROYCE SABRE QUALITY MANAGEMENT SYSTEM REQUIREMENTS.

QUALITY SYSTEM CERTIFIED ACCORDING TO PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU, ANNEX I, 4.3 BY TUV SUD, INDUSTRIE SERVICE GMBH, (NOTIFIED BODY 0036).

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			10											

GRADE CARRIER - CMI FREIGHT TRANS, INC.
"ATI 600" NICKEL ALLOY SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE

ATI FLAT ROLLED PRODUCTS PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES
FOR TESTING LOCATIONS TC, BN, & LO:
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 ($\geq 0.10\%$) BY WDXRF, OTHERWISE BY OES
PB, BI, AG BY GFAA

MATERIAL TESTED AT ATI FLAT ROLLED PRODUCTS GEAE S400 APPROVED FACILITIES (T1225 & T9317):
NATRONA HEIGHTS, PA; BRACKENRIDGE, PA AND NEW BEDFORD, MA.

ATI FLAT ROLLED PRODUCTS HOLDS SEVERAL QUALITY AND LABORATORY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, AD 2000-MERKBLATT WO, EU PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU, NADCAP, ISO/EIC 17025, GEAE S400 (T1225 & T9317), GEAE S-1000. REFER TO WWW.ATIMETALS.COM TO ACCESS THE CURRENT ATI FRP QUALITY CERTIFICATIONS.

ATI FLAT ROLLED PRODUCTS HAS RECEIVED NADCAP APPROVAL FOR CHEMICAL, MECHANICAL, METALLOGRAPHIC, HARDNESS, CORROSION TESTING, MECHANICAL TEST SPECIMEN PREPARATION, AND HEAT TREATMENT OF SPECIMENS. VERIFICATION OF SCOPE AND ACCREDITATION IS AVAILABLE ONLINE.

EN 10204:2005 3.1 CERTIFICATE.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:
TC = ATI-FLAT ROLLED PRODUCTS; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

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CARRIER - CMI FREIGHT TRANS, INC.

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

PAGE 05 - FINAL PAGE.

** METRIC TO FOLLOW

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