

SP 425, 60-A



CERTIFICATE OF TEST

S O L D T O	A M CASTLE, INC	S H I P T O	A M CASTLE, INC	OUR ORDER NO. P5-17996-6-
	3400 N WOLF RD FRANKLIN PARK, IL 60131		3400 N WOLF RD FRANKLIN PARK, IL 60131	DATE 03/06/07

CUSTOMER ORDER # & DATE 01-23864	CUSTOMER REQ. #	DISTRICT B PARSONS	SHIPPED FROM SYRACUSE
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DESCRIPTION OF MATERIAL SIZE
 CRU 316/316L RT A IAC 31023 13 RD
 AMC-3316-98 REV 25 ASTM-A182-06 (CHEM & MECH) A193-06A (EX PAR 6.3)
 A276-06 A479-06A ASME-SA182-04ED (CHEM & MECH) ASME-SA193-04ED (EX PAR 6.3)
 ASME-SA479-04ED AMS-5648K AMS-5653F AMS-QQ9-763A UNS # 531600
 531603 AMS-S-7720 AMD COMP 316 (EX CU)

HEAT NO.	CHEMICAL ANALYSIS										
A18701	C	MN	P	S	SI	NI	CR	MO	CO	CU	N
	.029	1.74	.025	.028	.41	10.11	16.58	2.11	.13	.31	.088

QUANTITY	HEAT NO.	MECHANICAL PROPERTIES				
12008 #	A18701	TENSILE PSI	YLD. 2% PSI	ELONGAD	RED/AREA%	HARDNESS
		79,150	34,540	58.2	66.1	BHN 141

MACRO TEST OK
 GRAIN SIZE # 3
 INTERGRANULAR CORROSION TEST OK.
 MATERIAL ANNEALED AT 1900 DEG. F. - WATER QUENCHED.
 CRUCIBLE MATERIALS CORP. VENDOR #18610.
 MATERIAL INGOT CAST.
 NAFTA - YES

CASTLE METALS FP
 DATE REC'D 3/9/07 JAC 31023
 APPROVED BY: *[Signature]*

MATERIAL FREE FROM MERCURY CONTAMINATION AT TIME OF SHIPMENT
 NO WELD REPAIR PERFORMED
 MATERIAL MELTED IN U.S.A. THANK YOU FOR SELECTING A QUALITY PRODUCT
 MANUFACTURED BY THE EMPLOYEES OF CRUCIBLE SPECIALTY METALS

SWORN TO AND SUBSCRIBED BEFORE ME THIS
 _____ DAY OF _____, 20____

 NOTARY PUBLIC

THE ABOVE MATERIAL WAS MANUFACTURED AND TESTED IN ACCORD
 WITH ABOVE SPECIFICATIONS AND IS IN CONFORMANCE WITH T
 SPECIFICATION REQUIREMENTS.
 CRUCIBLE MATERIALS CORPORATION
 ACTING BY AND THROUGH ITS SPECIALTY METALS DIVISION
 CERTIFIED BY: *[Signature]*
 QUALITY ASSURANCE REPRESENTATIVE