



PO BOX 977
SYRACUSE, NY 13201-0977

Certificate of Test

S O L D T O	A M CASTLE, INC 3400 N WOLF RD FRANKLIN, PARK, IL 60131	S H I P T O	A M CASTLE, INC 3400 N WOLF RD FRANKLIN, PARK, IL 60131	OUR ORDER NO. P5-13551-7-01
				DATE 10/10/07
CUSTOMER ORDER NO 01-33191	CUSTOMER REQ NO	DISTRICT B PARSONS	SHIPPED FROM SYRACUSE	

DESCRIPTION OF MATERIAL

CRU 316/316L RT A IAC 31025 SIZE
15 RD
 AMC-3316-98 REV 27 ASTM-A182-07 (CHEM & MECH) A193-07 (EX PAR 6.3)
 A276-06 A479-06A ASME-SA182-07ED (CHEM & MECH) ASME-SA193-07ED (EX PAR 6.3)
 ASME-SA479-07ED AMS-5648K AMS-5653F UNS# S31600/31603
 AMS-8-7720 AMD 1 COMP 316 (EX CU)

HEAT NO.

CHEMICAL ANALYSIS

HEAT NO.	C	MN	P	S	SI	NI	CR	MO	CO	CU	N
A19383	.022	1.71	.019	.021	.68	10.24	16.77	2.11	.075	.22	.076

QUANTITY

HEAT NO.

MECHANICAL PROPERTIES

QUANTITY	HEAT NO.	TENSILE PSI	YLD.2%PSI	%ELONG4D	RED/AREA%	HARDNESS
6006 #	A19383	82,6709	37,5301	54.9	63.7	BHN 145

MACRO TEST OK
 GRAIN SIZE # 5
 INTERGRANULAR CORROSION TEST OK PER ASTM A262, PRACTICE E.
 MATERIAL ANNEALED AT 1900 DEG. F. - WATER QUENCHED.
 CRUCIBLE MATERIALS CORP. VENDOR #18610.
 MATERIAL INGOT CAST.
 NAFTA - YES

CASTLE METALS CORP.
 DATE RCVD 10/11/07
 IAC 31025
 APPROVED BY [Signature]

MATERIAL FREE FROM MERCURY CONTAMINATION AT TIME OF SHIPMENT, NO WELD REPAIR PERFORMED, AND MATERIAL MELTED IN U.S.A.

THE ABOVE MATERIAL WAS MANUFACTURED AND TESTED ACCORDANCE WITH ABOVE SPECIFICATIONS AND IS IN CONFORMANCE WITH THE SPECIFICATION REQUIREMENTS. CRUCIBLE MATERIALS CORPORATION ACTING BY AND THROUGH ITS SPECIALTY METALS DIVISION

CERTIFIED BY

[Signature]
 L.J. WOOLSON - QUALITY ASSURANCE REPRESENTATIVE