



CERTIFICATE OF TEST

EARLE H JORGENSEN CO 1900 MITCHELL BLVD SCHAUMBURG IL 60194	S M I P T O	EARLE H JORGENSEN CO 1700 MITCHELL BLVD SCHAUMBURG IL 60194	OUR ORDER NO. PU 14170-6-01
			DATE 09/28/06

CUSTOMER ORDER # & DATE P901730008	CUSTOMER REQ. #	DISTRICT B PARSONS	SHIPPED FROM SYRACUSE
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DESCRIPTION OF MATERIAL SIZE 16 RD

CRU 316/316L RTA 523266 546892

ASTM-A276-06 A479-05A ASME-SA479-04ED

AMS-886-763A (086) QQ-B-763F AMS-5648K AMS-5653F

ASTM-A193-06 GR B8M CL 1 (T316) ASME-SA193-04ED GR B8M (T316)

ASTM-A320-05A GR B8M CL 1 (T316) ASME-SA320-04ED GR B8M (T316)

EN 10204 3.1.B

R877504

HEAT NO.	CHEMICAL ANALYSIS									
A18173	C	MN	P	S	SI	NI	CR	MO	CU	N
	.017	1.70	.025	.023	.68	10.20	16.54	2.19	.23	.095

QUANTITY	HEAT NO.	MECHANICAL PROPERTIES				
6196 #	A18173	TENSILE PSI	YLD. 2XPSI	%ELONG4D	RED/AREAS	HARDNESS
		81,110	34,860	57.3	65.2	RHN 141

MACRO TEST OK
 GRAIN SIZE # 4
 INTERGRANULAR CORROSION TEST OK PER ASTM A262, PRACTICE E.
 MATERIAL ANNEALED AT 1900 DEG. F. - WATER QUENCHED.

* THIS MATERIAL WAS PRODUCED IN ACCORDANCE WITH CRUCIBLE POLICY MANUAL (01/22/02) *

* THE WILLFUL RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL STATUTES. *

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 IN

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

SWORN TO AND SUBSCRIBED BEFORE ME THIS

DAY OF . 20

NOTARY PUBLIC

I. J. WOOLSON - QUALITY ASSURANCE REPRESENTATIVE

CERTIFIED BY: _____
 QUALITY ASSURANCE REPRESENTATIVE