

#A13937



P.O. BOX 977
SYRACUSE
NEW YORK 13201

CERTIFICATE OF TEST

EARLE M JORGENSEN CO
1900 MITCHELL BLVD
SCHAUMBURG IL 60194

SHIP TO
EARLE M JORGENSEN CO
1900 MITCHELL BLVD
SCHAUMBURG IL 60194

OUR ORDER NO.
P5-14693-4-01
DATE
04/30/04

CUSTOMER ORDER # & DATE: P695053004
CUSTOMER REQ. #: [blank]
DISTRICT: B PARSONS
SHIPPED FROM: SYRACUSE

DESCRIPTION OF MATERIAL: CRU 316/316L (.03 MAX CARBON) RTA 509370 SIZE 6.250 RD
ASTM A276-03 A479-03 ASME SA479-01ED
Q35 763F AMS 5648K AMS 5653F
ASTM A193-03 GR B8M CL 1 (T316) ASME SA193-01ED GR B8M (T316)
ASTM A320-03 GR B8M CL 1 (T316) ASME SA320-01ED GR B8M (T316)

R989533

EAT NO.	CHEMICAL ANALYSIS									
	C	MN	P	S	SI	NI	CR	MO	CU	N
A13937	.014	1.79	.024	.023	.53	10.40	16.40	2.12	.32	.089

QANTITY	HEAT NO.	MECHANICAL PROPERTIES				
		TENSILE PSI	YLD. 2% PSI	ELONG 2IN	RED/AREA %	HARDNESS
4650 #	A13937	80,532	37,886	52.7	68.5	BHN 156

MACRO TEST OK
GRAIN SIZE # 5
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 JW

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

NOTARY PUBLIC

JACKIE L WHITE - SPECIFICATION EXAMINER

CERTIFIED BY: *Jackie L White*
CRUCIBLE MATERIALS CORPORATION
ACTING BY AND THROUGH ITS SPECIALTY METALS DIVISION
QUALITY ASSURANCE REPRESENTATIVE