



P.O. BOX 977
SYRACUSE
NEW YORK 13201

HT # A 16639

CERTIFICATE OF TEST

EARLE H JORGENSEN CO

1900 MITCHELL BLVD
SCHAUMBURG IL 60194

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EARLE H JORGENSEN CO

1900 MITCHELL BLVD
SCHAUMBURG IL 60194

02

OUR ORDER NO.
P5-20353-4-01

DATE
04/26/05

CUSTOMER ORDER # & DATE
P732491023

CUSTOMER REQ. #

DISTRICT

B PARSONS

SHIPPED FROM

SYRACUSE

DESCRIPTION OF MATERIAL

CRU 316/316L RTA 509379 SIZE 9 RD
ASTM A276-04 A479-05 ASME SA479-04ED
AMS QQS 763F AMS 5648K AMS 5653F
ASTM A193-03 GR B8M CL 1 (T316) ASME SA193-04ED GR B8M (T316)
ASTM A320-03 GR B8M CL 1 (T316) ASME SA320-04ED GR B8M (T316)
EN 10204 3.1-B

HEAT NO.

CHEMICAL ANALYSIS

HEAT NO.	C	MN	P	S	SI	NI	CR	MO	CO	CU	N
A16639	.022	1.76	.026	.027	.57	10.03	16.69	2.06	.19	.36	.079

QUANTITY

HEAT NO.

MECHANICAL PROPERTIES

QUANTITY	HEAT NO.	TENSILE PSI	YLD.2%PSI	XE LONG4D	RED/AREA%	HARDNESS
9151	A16639	80.920	36.460	56.1	63.8	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.

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