

SP 325 1014

HT# A15824



P.O. BOX 977  
SYRACUSE  
NEW YORK 13201

# CERTIFICATE OF TEST

EARLE K JORGENSEN CO  
1900 MITCHELL BLVD  
SCHAUMBURG IL 60194

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

OUR ORDER NO  
P5-13213 4 01  
DATE  
06 08/20/04

CUSTOMER ORDER # & DATE: P695084003  
CUSTOMER REQ. #: B PARSONS  
DISTRICT: SYRACUSE  
SHIPPED FROM: SYRACUSE

DESCRIPTION OF MATERIAL: CRU 316/316L RTA 509379  
ASTM A276-03 A479-04 ASME SA479-01ED  
UNS 304 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)  
SIZE: 9 RD

R 170854

HEAT NO	CHEMICAL ANALYSIS										
A15824	C	MN	P	S	SI	NI	CR	MO	CU	N	
	.019	1.69	.021	.023	.63	10.28	16.56	2.09	.28	.083	

QUANTITY	HEAT NO	MECHANICAL PROPERTIES					HARDNESS
9348	A15824	TENSILE PSI	YLD.2%PSI	ELONG2IN	RED/AREA%	BHN 152	
		84.532	41.008	56.7	67.1		

MACRO TEST OK  
GRAIN SIZE # 6  
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 01/22/00  
\*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 PERMITTED  
MATERIAL MELTED IN U.S.A.

THANK YOU FOR SELECTING A QUALITY PRODUCT  
MANUFACTURED BY THE EMPLOYEES OF CRUCIBLE SPECIALTY METALS IN

SWORN TO AND SUBSCRIBED BEFORE ME THIS  
\_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_

NOTARY PUBLIC

CERTIFIED BY

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  
*[Signature]*  
QUALITY ASSURANCE REPRESENTATIVE

I. J. WOOLSON - QUALITY ASSURANCE REPRESENTATIVE