

CERTIFICATE OF TEST

EARLE M JORGENSEN CO

1900 MITCHELL BLVD
SCHAUMBURG IL 60194

A11135

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EARLE M JORGENSEN CO

1900 MITCHELL BLVD
SCHAUMBURG IL 60194

OUR ORDER NO.

PS-13232-0-01

DATE

06 07/16/10

CUSTOMER ORDER # & DATE

P312034008

CUSTOMER REQ. #

DISTRICT

R PARSONS

SHIPPED FROM

SYRACUSE

DESCRIPTION OF MATERIAL

SIZE

CRU 316/316L RTA 527249 15 RD
ASTM-A276-08A A479-10 ASME-SA479-07ED NACE MK-017S
AMS-RRS-763B (QBS) RR-S-763F AMS-5648K AMS-5653F
ASTM-A193-08B GR B8M CL 1 (T316) ASME-SA193-07 ED GR B8M (T316)
ASTM-A320-08 GR B8M CL 1 (T316) ASME-SA320-07ED GR B8M (T316)
DEARS 252.223.7014 ALT 1 AND 223.7002-3 (B) (1) COMPLIANT

CHEMICAL ANALYSIS

HEAT NO.

HEAT NO.	C	MN	P	S	SI	NI	CR	MO	CU	N
A11135	.026	1.71	.034	.022	.54	10.33	16.56	2.10	.51	.081

MECHANICAL PROPERTIES

QUANTITY

HEAT NO.

QUANTITY	HEAT NO.	TENSILE PSI	YLD. 2% PSI	%ELONG4D	RED/AREA%	HARDNESS
3665 #	A11135	84,900	46,280	56.5	73.8	EHN 136

MACRO TEST OK

GRAIN SIZE # 4

INTERGRANULAR CORROSION TEST OK PER ASTM A262, PRACTICE E.

MATERIAL ANNEALED AT 1950 DEG. F. - WATER QUENCHED.

*THIS MATERIAL WAS PRODUCED IN ACCORDANCE WITH CRUCIBLE POLICY MANUAL

THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY RESULT IN PUNISHMENT OR DISMISSAL.

REVISION ORIGINAL DATED 6/23/10

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 INDUSTRIES LLC

SWORN TO AND SUBSCRIBED BEFORE ME THIS

_____ DAY OF _____ 20

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

Mark L. Lassiter
QUALITY ASSURANCE REPRESENTATIVE