



SYRACUSE
NEW YORK 13201

CERTIFICATE OF TEST

S D T O	EARLE M JORGENSEN CO	S H I P T O	EARLE M JORGENSEN CO	OUR ORDER NO. P5-17425-7-01
	1900 MITCHELL BLVD SCHAUMBURG IL 60194		1900 MITCHELL BLVD SCHAUMBURG IL 60194	DATE 12 04/11/08

CUSTOMER ORDER # & DATE P123641002	CUSTOMER REQ. #	DISTRICT B PARSONS	SHIPPED FROM SYRACUSE
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DESCRIPTION OF MATERIAL

CRU 316/316L RTA 527249 SIZE 15 RD **R49 3510**

ASTM-A276-06 A479-06A ASME-SA479-07ED

AMS-QQS-763D (QBS) QQ-S-763F AMS-5648K AMS-5653F

ASTM-A193-07 GR B8M CL 1 (T316) ASME-SA193-07ED GR B8M (T316)

ASTM-320-07A GR B8M CL 1 (T316) ASME-SA320-07ED GR B8M (T316)

EN 10204 3.1

- DFARS 252.225.7014 & 225.7002-3 (B)(1) COMPLIANT -

HEAT NO.	CHEMICAL ANALYSIS										
A19895	C	MN	P	S	SI	NI	CR	MO	CO	CU	N
	.022	1.59	.023	.026	.56	10.23	16.36	2.13	.13	.27	.080

A19895

QUANTITY	HEAT NO.	MECHANICAL PROPERTIES				
6534 #	A19895	TENSILE PSI	YLD.2%PSI	%ELONG4D	RED/AREA% 61.2	HARDNESS BHN 148
		80,570	37,080	51.0		

MACRO TEST OK

GRAIN SIZE # 4.0

- 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 (10/07/07) *

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

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 JP

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

NOTARY PUBLIC
JON PIKARSKY

CERTIFIED BY: QUALITY ASSURANCE REPRESENTATIVE

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