

A 16363

SP 425. 50-A

**Crucible Specialty Metals**  
 A Division of Crucible Materials Corporation

P.O. BOX 977  
 SYRACUSE  
 NEW YORK 13201

# CERTIFICATE OF TEST

<b>EARLE H. JORGENSEN CO</b>  1900 MITCHELL BLVD SCHAUMBURG IL 60194	S H I P  T O	<b>EARLE H. JORGENSEN CO</b>  1900 MITCHELL BLVD SCHAUMBURG IL 60194	OUR ORDER NO. <b>P5-19334-4-01</b>
		01	DATE <b>01/13/05</b>

CUSTOMER ORDER # & DATE <b>P732487025</b>	CUSTOMER REQ. #	DISTRICT <b>B PARSONS</b>	SHIPPED FROM <b>SYRACUSE</b>
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DESCRIPTION OF MATERIAL

CRU 316/316L RTA 509379 SIZE 9 RD

ASTM A276-04 A479-04 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)

*R309905*

HEAT NO.	CHEMICAL ANALYSIS									
A16363	C	MN	P	S	SI	NI	CR	MO	CU	N
	.023	1.67	.033	.023	.48	10.20	16.41	2.08	.30	.081

QUANTITY	HEAT NO.	MECHANICAL PROPERTIES				
9137 #	A16363	TENSILE PSI	YLD.2XPSI	ELONG2IN	RED/AREAX	HARDNESS
		79,520	32,240	56.5	68.1	BHN 142

MACRO TEST OK  
 GRAIN SIZE # 5.0  
 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 (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 DM**

SWORN TO AND SUBSCRIBED BEFORE ME THIS

\_\_\_\_\_ DAY OF \_\_\_\_\_, 20

NOTARY PUBLIC

**DIANA L. MARSH**

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

CERTIFIED BY: *[Signature]*

QUALITY ASSURANCE REPRESENTATIVE

**-QUALITY ASSURANCE REPRESENTATIVE**