



# CERTIFICATE OF TEST

S H I P T O	2 Pcs.	OUR ORDER NO. P5-11/2-6-01
		DATE 10/31/06

CUSTOMER ORDER # & DATE P879982001	CUSTOMER REQ. #	DISTRICT B PARSONS	SHIPPED FROM SYRACUSE
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DESCRIPTION OF MATERIAL

CRU 316/316L (1.03 MAX CARBON) RTA 509382      SIZE 11 RD      R 902723

ASTM-A276-06 A479-05A ASME-SA479-04ED

AMS-QQ8-763A (QSS) QQ-S-763F AMS-5648K AMS-5653F

ASTM-A193-06 GR B8M CL 1 (T316) ASME-SA193-04ED GR B8M (T316)

ASTM-A320-05A GR B8M CL 1 (T316) ASME-SA320-04ED GR B8M (T316)

EN 10204 3.1.B

HEAT NO.	CHEMICAL ANALYSIS										
A18232	C	MN	P	S	SI	NI	CR	MO	CU	N	
	.015	1.68	.025	.025	.67	10.16	16.23	2.09	.36	.077	

QUANTITY	HEAT NO.	MECHANICAL PROPERTIES					
8662 #	A18232	TENSILE PSI	YLD. 2% PSI	%ELONG4D	RED/AREA2	HARDNESS	
		79,920	35,170	59.1	68.3	BHN 147	

MACRO TEST OK

GRAIN SIZE # 3.0

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 (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      THANK YOU FOR SELECTING A QUALITY PRODUCT

NO WELD REPAIR PERFORMED      MANUFACTURED BY THE EMPLOYEES OF CRUCIBLE SPECIALTY METALS, INC.

MATERIAL MELTED IN U.S.A.

SWORN TO AND SUBSCRIBED BEFORE ME THIS

\_\_\_\_\_ DAY OF \_\_\_\_\_ . 20

NOTARY PUBLIC

DIANA L. MARSH

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 SPECIALTY METALS CORPORATION ACTING BY THE EMPLOYEES OF CRUCIBLE SPECIALTY METALS CORPORATION

-QUALITY ASSURANCE REPRESENTATIVE

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