

A15743

SP 423, 50-A



P.O. BOX 877
SYRACUSE
NEW YORK 13201

CERTIFICATE OF TEST

38240

S O L C T C	ASA ALLOYS INC	S H I P T O	ASA ALLOYS INC	OUR ORDER NO.
	81 STEINWAY BLVD		81 STEINWAY BLVD	P5-10378-4-01
	ETOBICOKE ONTARIO M9W6H6		ETOBICOKE ONTARIO M9W6H6	DATE
			03	07/29/04

CUSTOMER ORDER # & DATE 042387-CV	CUSTOMER REQ. #	DISTRICT B PARSONS	SHIPPED FROM SYRACUSE
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DESCRIPTION OF MATERIAL

CRU 316/316L RTA SIZE 13 RD
 AMS-5653F AMS-5648A AMS-889-763 ASTM-A276-03 ASTM-A193-01B
 ASTM-A479-04 ASTM-A182-02 (CHEM & MECH) ASME-SA182-01ED (CHEM & MECH)
 ASME-8A479-01ED ASME-SA193-01ED MIL-S-7720A NACE-MR-01-75-01
 EN 10204 3.1B CRUCIBLE TO PREPARE NAFTA DOCUMENTS

HEAT NO.	CHEMICAL ANALYSIS											
A15743	C	MN	P	S	SI	NI	CR	MO	CO	CU	N	
	.021	1.83	.029	.028	.58	10.16	16.35	2.13	.12	.33	.082	

QUANTITY	HEAT NO.	MECHANICAL PROPERTIES					
5984 #	A15743	TENSILE PSI	YLD. 2% PSI	ELONG 2IN	RED/AREA%	HARDNESS	
		78,646	35,199	53.5%	57.2%	BHN 143	

MACRO TEST OK
 INTERGRANULAR CORROSION TEST OK.
 GRAIN SIZE # 4

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 WM

SWORN TO AND SUBSCRIBED BEFORE ME THIS
 _____ DAY OF _____ . 20

 NOTARY PUBLIC

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 AS SPECIALTY METALS DIVISION
 CERTIFIED BY: *William E. Mastroe*
 QUALITY ASSURANCE REPRESENTATIVE
 WILLIAM E MASTROE-- MANAGER QUALITY ASSURANCE