



P.O. BOX 977  
SYRACUSE  
NEW YORK 13201

A15497  
**CERTIFICATE OF TEST**

36741

OUR ORDER NO.

P5-10379-4-C

DATE

04/29/04

ASA ALLOYS INC  
81 STEINWAY BLVD  
ETOBICOKE ONTARIO M9W6H6

SHIP TO  
ASA ALLOYS INC  
81 STEINWAY BLVD  
ETOBICOKE ONTARIO M9W6H6

03

CUSTOMER ORDER # & DATE  
042387-CV

CUSTOMER REQ. #

DISTRICT

B PARSONS

SHIPPED FROM

SYRACUSE

DESCRIPTION OF MATERIAL

SIZE

16 RD

CRU 316/316L RTA

AMS-5653F

AMS-5648K

AMS-QQS-763

ASTM-A276-03

ASTM-A193-01B

ASTM-A479-03 ASTM-A182-02 (CHEM & MECH)

ASME-SA182-01ED (CHEM & MECH)

ASHE-SA479-01ED

ASME-SA193-01ED

MIL-S-7720A

NACE-MR-01-75-01

EN 10204 3.1B

CHEMICAL ANALYSIS

HEAT NO.

A15497

C	MN	P	S	SI	NI	CR	MO	CO	CU	N
.030	1.78	.027	.025	.62	10.61	16.47	2.10	.12	.35	.083

QUANTITY

HEAT NO.

MECHANICAL PROPERTIES

6304 #

A15497

TENSILE PSI  
76,511

YLD.2%PSI  
33,263

%ELONG2IN  
56.1

RED/AREA%  
62.1

HARDNESS  
BHN 141

MACRO TEST OK

INTERGRANULAR CORROSION TEST OK.

GRAIN SIZE # 3.5

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

THE ABOVE MATERIAL WAS MANUFACTURED AND TESTED IN ACCORD WITH ABOVE SPECIFICATIONS AND IS IN CONFORMANCE WITH THE SPECIFICATION REQUIREMENTS.

CRUCIBLE MATERIALS CORPORATION  
ACTING BY AND THROUGH ITS SPECIALTY METALS DIVISION

SWORN TO AND SUBSCRIBED BEFORE ME THIS

DAY OF . 20

NOTARY PUBLIC

CERTIFIED BY:

*William P. Masten*  
QUALITY ASSURANCE REPRESENTATIVE