



P.O. BOX 977
SYRACUSE
NEW YORK 13201

lot # A15609
CERTIFICATE OF TEST

ASA ALLOYS INC
STEINWAY BLVD
ETOBICOKE ONTARIO M9W6H6

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P
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O
ASA ALLOYS INC
4311-92ND AVENUE
EDMONTON, ALBERTA T6B 3H7

OUR ORDER NO:
P5-10835-4-01
DATE
06/15/04

CUSTOMER ORDER # & DATE: **042603-CV**
CUSTOMER REQ. #:
DISTRICT: **B PARSONS**
SHIPPED FROM: **SYRACUSE**

DESCRIPTION OF MATERIAL
CRU 316/316L RTA
AMS-5653F AMS-5648K AMS-Q05-763 ASTM-A276-03 ASTM-A193-01B
ASTM-A479-03 ASTM-A182-02 (CHEM & MECH) ASME-SA182-01ED (CHEM & MECH)
ASME-SA479-01ED ASME-SA193-01ED MIL-S-7720A NACE-HR-01-75-01
EN 10204 3.1B
SIZE
11 RD

HEAT NO. **A15609** CHEMICAL ANALYSIS

C	MN	P	S	SI	NI	CR	MO	CO	CU	N
.018	1.79	.027	.025	.59	10.11	16.35	2.10	.13	.31	.083

QUANTITY **4460 #** HEAT NO. **A15609** MECHANICAL PROPERTIES

TENSILE PSI	YLD. 2% PSI	ELONG 2IN	RED/AREA %	HARDNESS BHN
79,790	37,380	58.5	65.6	137

MACRO TEST OK
INTERGRANULAR CORROSION TEST OK.
GRAIN SIZE # 3

E 11661

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 WE

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

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: *William F. Hastrof*
CREDIT ASSURANCE REPRESENTATIVE
WILLIAM F. HASTROF, MANAGER CREDIT ASSURANCE

NOTARY PUBLIC