

399463

Crucible Specialty Metals

PO BOX 977
SYRACUSE, NY 13201-0977

Certificate of Test

S
H
I
P
T
O

A19782

OUR ORDER NO.
P5-15796-7-R1

DATE
02/05/08

CUSTOMER ORDER NO
44780-43/S39761

CUSTOMER REQ NO

DISTRICT
8 PARSONS

SHIPPED FROM
SYRACUSE

DESCRIPTION OF MATERIAL

CRU 316 (.03 MAX C) RT A S#39761 SIZE 15 RD
QQS-763F AMS-QQS-763A ASTM-A479-06A ASME-SA479-07ED ASTM-A276-06
ASTM-A484-06B MIL-S-7720A, AMEND 2 AMS-S-7720 ASTM-A193-07 GR B8M CL 1,
ASTM-A320-07 GR B8M CL1 ASTM-A182-07 GR F316 (CHEM & PHYS)AMS-5648K
DFARS 252.225.7014 & 225.7002-3 (B)(1) COMPLIANT

HEAT NO.

CHEMICAL ANALYSIS

HEAT NO.	C	MN	P	S	SI	NI	CR	MO	CO	CU	N
A19782	.020	1.71	.025	.028	.52	10.13	16.50	2.14	.079	.37	.083

QUANTITY HEAT NO.

MECHANICAL PROPERTIES

QUANTITY	HEAT NO.	TENSILE PSI	YLD.2%PSI	%ELONG4D	RED/AREA%	HARDNESS
5972 #	A19782	80,390	37,250	53.7	60.7	BHN 133

1-BNDI

MACRO TEST OK

MICRO TEST OK

GRAIN SIZE # 5.0

INTERGRANULAR CORROSION TEST OK PER ASTM A262, PRACTICE E.

MATERIAL WAS ANNEALED BY HEATING TO 1900 DEG. F. FOR A SUFFICIENT TIME TO DISSOLVE RESIDUAL CARBIDES AND QUENCHED IN WATER.

"THE WILLFUL RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL STATUTES."

BUNNIE K. ISAKA
BUNNIE K. ISAKA O.T. MANAGER

MATERIAL FREE FROM MERCURY CONTAMINATION AT TIME OF SHIPMENT. NO WELD REPAIR PERFORMED AND MATERIAL MELTED IN U.S.A.

THE ABOVE MATERIAL WAS MANUFACTURED AND TESTED ACCORDANCE WITH ABOVE SPECIFICATIONS AND IS IN CONFORMANCE WITH THE SPECIFICATION REQUIREMENTS CRUCIBLE MATERIALS CORPORATION ACTING BY AND THROUGH ITS SPECIALTY METALS DIVISION

CERTIFIED BY

John M. Pirman

JOHN M. PIRMAN - MANAGER OF QUALITY ASSURANCE