

by ThyssenKrupp Materials NA, Anna Riggs
 2141 LB
 : 1116
 : TALNEA TECHNOLOGIES INC *

Anna C. Riggs **A19715**

(1 of 1)
 2008-03-05
 Shipper#: U68172
 Cust Part#:

Crucible Specialty Metals
 A Division of Crucible Materials Corporation
 P.O. BOX 977
 SYRACUSE
 NEW YORK 13201

CERTIFICATE OF TEST

PIPER & BRASS SALES INC
 TIME ACCOUNTS PAYABLE
 12355 WEST ELLEN HILL RD
 SOUTHFIELD MI 48034

S
H
I
P
T
O
 COPPER & BRASS SALES
 10648 W LITTLE YORK, SUITE 400
 HOUSTON, TX 77041

OUR ORDER NO
 PS-18123-7-C
 DATE
 01/16/08

CUSTOMER ORDER # & DATE W67952	CUSTOMER REQ. #	DISTRICT K PARSONS	SHIPPED FROM SYRACUSE
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DESCRIPTION OF MATERIAL

CRU 316/316L RTA (P/N 399440-2) SIZE
 9 RD
 ASTM-A479-06A ASTM A276-06 AMS-5648K AMS-5653F ASME-SA479-07LD
 BEARS 252,225,7014 & 225,7002-3 (B) (1) COMPLIANT ROHS COMPLIANT

Part # 06-FOE-80

W67952 H A19715

HEAT NO. CHEMICAL ANALYSIS

W67952	C	MN	P	S	SI	NI	CR	MO	CU	H
	.016	1.08	.026	.027	.40	10.25	16.79	2.11	.31	.081

Material Heat # A19715

QUANTITY HEAT NO. MECHANICAL PROPERTIES

5000 # A19715	TENSILE PSI	YLD.22PSI	%ELONG40	RED/AREA%	HARDNESS
	82,670	43,430	48.3	56.5	BHN 140

PERFORMED TEST OF
 INTERGRANULAR CORROSION TEST OF
 GRAIN SIZE # 5
 MATERIAL IS ROHS/WEEE COMPLIANT.

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 IN

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

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

CERTIFIED