

Quantity: 3039 LB
Inst PO#: 72861 S 0F02195
Customer: COPPER AND BRASS SALES, CANADA

Anna C. Reiger

A10094

2008-07-11
Shipper#: 7F2827
Cust Part#:



P.O. BOX 977
SYRACUSE
NEW YORK 13201

CERTIFICATE OF TEST

COPPER & BRASS SALES INC
ATTN: ACCOUNTS PAYABLE
22355 WEST ELEVEN MILE RD
SOUTHFIELD MI 48034

S
H
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P
T
O

COPPER & BRASS SALES
10648 W LITTLE YORK, SUITE 400
HOUSTON, TX 77041

04

OUR ORDER NO.
P5-12304-8-

DATE
05/29/08

CUSTOMER ORDER # & DATE

CUSTOMER REQ. #

DISTRICT

R PARSONS

SHIPPED FROM

SYRACUSE

DESCRIPTION OF MATERIAL

CRU 316/316L RTA (P/N 399440-7)

SIZE
9 RD

ASTM-A479-06A ASTM A276-06 AMS-5648K AMS-5653F ASME-SA479-07ED
DFARS 252.225.7014 & 225.7002-3 (B) (1) COMPLIANT ROHS COMPLIANT

PT# 399440

AT NO.

CHEMICAL ANALYSIS

A10094

C	MN	P	S	SI	NI	CR	MO	CU	N
.019	1.80	.023	.027	.44	10.59	16.56	2.09	.61	.076

QUANTITY

HEAT NO.

MECHANICAL PROPERTIES

3026 # A10094

TENSILE PSI
79,140

YLD. 2% PSI
36,480

%ELONG4D
56.7

RED/AREA%
64.2

HARDNESS
BHN 143

MACRO TEST OK
INTERGRANULAR CORROSION TEST OK.
GRAIN SIZE # 4.5

MATERIAL MELTED BY ELECTRIC FURNACE ARGON OXYGEN DECARBURIZATION REFINED.

MATERIAL ANNEALED AT 1900 DEG. F. - WATER QUENCHED.

MATERIAL IS ROHS/WEEE COMPLIANT.

MATERIAL FREE FROM MERCURY CONTAMINATION AT TIME OF SHIPMENT
WELD REPAIR PERFORMED
MATERIAL MELTED IN U.S.A.

THANK YOU FOR SELECTING A QUALITY PRODUCT
MANUFACTURED BY THE EMPLOYEES OF CRUCIBLE SPECIALTY METALS DC

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

SWORN TO AND SUBSCRIBED BEFORE ME THIS

DAY OF . 20

CERTIFIED BY:

[Signature]