

CERTIFICATE OF TEST

EARLE M JORGENSEN CO
1700 MITCHELL BLVD
SCHAUMBURG IL 60194

A11028

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EARLE M JORGENSEN CO
1700 MITCHELL BLVD
SCHAUMBURG IL 60194

OUR ORDER NO.
PS-10780-0-02
DATE
07/16/10

CUSTOMER ORDER # & DATE P285639001	CUSTOMER REQ. #	DISTRICT B PARSONS	SHIPPED FROM SYRACUSE
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DESCRIPTION OF MATERIAL

CRU 316/316L RTA 509378 8.500 RD
ASTM-A276-08A A479-08 ASME-SA479-07ED NADE NR-0175
AMS-QQS-763B (Q8S) QR-S-763F AMS-S648K AMS-S653F
ASTM-A193-08B GR B8M CL 1 (T316) ASME-SA193-07 ED GR B8M (T316)
ASTM-A320-08 GR B8M CL 1 (T316) ASME-SA320-07ED GR B8M (T316)
NFARS 252.225.7014 ALT 1 AND 225.7002-3 (B) (1) COMPLIANT

HEAT NO CHEMICAL ANALYSIS

HEAT NO	C	MN	P	S	SI	NI	CR	MO	CU	N
A11028	.024	1.66	.027	.024	.50	10.12	16.11	2.12	.42	.076

QUANTITY HEAT NO MECHANICAL PROPERTIES

QUANTITY	HEAT NO	TENSILE PSI	YLD. 2X PSI	%ELONG4D	RED/AREA%	HARDNESS
11558 #	A11028	82,600	42,450	60.0	73.8	BHN 141

MACRO TEST OK
GRAIN SIZE # 6
INTERGRANULAR CORROSION TEST OK PER ASTM A262, PRACTICE E.
MATERIAL ANNEALED AT 1950 DEG. F. - WATER QUENCHED.
THIS MATERIAL WAS PRODUCED IN ACCORDANCE WITH CRUCIBLE POLICY MANUAL (10/07/07)
THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY RESULT IN PUNISHMENT OR DISMISSAL.

REVISION ORIGINAL DATED 02/22/10

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 MG

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:

Mark D. Smith
QUALITY ASSURANCE REPRESENTATIVE