

A18364

SP425, 20-A

Crucible Specialty Metals
A Division of Crucible Materials Corporation

P.O. BOX 977
SYRACUSE
NEW YORK 13201

CERTIFICATE OF TEST

SUBJECT	SHIP TO	OUR ORDER NO. 19434-6-01	
		DATE 02/05/07	01
CUSTOMER ORDER # & DATE 4424-1176-13300	CUSTOMER REQ #	DISTRICT B PARSONS	SHIPPED FROM SYRACUSE

DESCRIPTION OF MATERIAL SIZE
 CRU 304 (.03 MAX CARBON) RTA 842300 B.500 RD
 QRS-763F AMS-QRS-763A ASTM-276-06 ASTM-A479-06A ASME-SA479-04ED
 ASTM-A484-06B DMS-2080A AMS-5647H
 DARS 252.225.7014 & 225.7002-3 (B)(1) COMPLIANT

HEAT NO.	CHEMICAL ANALYSIS											
A18364	C	MN	P	S	SI	NI	CR	MO	CU	CO	N	AS
	.018	1.64	.029	.025	.63	8.34	18.39	.38	.084	.25	.083	.001
	CB	TA										
	.021	.002										

VERIFYING THAT THIS IS
 A TRUE COPY OF THE ORIGINAL MILL TEST
 REPORT NOW ON FILE.
 RECEIVED AND INSPECTED

FEB 28 2007

[Signature]
 JOHN M. PIRHAN - D.S. MANAGER

QUANTITY	HEAT NO.	MECHANICAL PROPERTIES				
4795 #	A18364	TENSILE PSI	YLD. 2XPSI	ELONG4D	RED/AREAZ	HARDNESS
1 BDL		81,600	36,980	58.8	66.8	RHN 140

MACRO TEST OK
 MICRO TEST OK
 GRAIN SIZE # 4.0
 INTERGRANULAR CORROSION TEST OK PER ASTM A262, PRACTICE E.
 OXALIC ACID TEST OK

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.

EISS48

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 AN

SWORN TO AND SUBSCRIBED BEFORE ME THIS

DAY OF _____, 20

NOTARY PUBLIC

JOHN M. PIRHAN - MANAGER

THE ABOVE MATERIAL WAS MANUFACTURED AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATIONS AND IS IN CONFORMANCE WITH THESE SPECIFICATION REQUIREMENTS.

CRUCIBLE MATERIALS CORPORATION
 ACTING BY AND THROUGH THE SPECIALTY METALS DIVISION

CERTIFIED BY:

[Signature]
 QUALITY ASSURANCE REPRESENTATIVE
 QUALITY ASSURANCE