

Certificate of Test

Cert Date: 3/5/18

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CIL ORDER NO.
P5-12607-7-01

HEAT NO.
A13574

CIL INSIDE SALES REP. L HINMAN	SHIPPED FROM SOLVAY, NY USA	CUSTOMER P.O. P833127-423	CUSTOMER PART NO. 527249
QUANTITY SHIPPED 6012 LBS.		ALL MELTING DONE IN USA.	

DESCRIPTION OF MATERIAL

SIZE

CRU 316/316L RTA 15.000 RD
AMS-5648-L AMS-5653-H ASME SA-479-13ED SEC II PART A ASTM-A276-16A
ASTM-A479-17 QQ-S-763 NACE MR0175/ISO 15156-3 SECOND EDITION 2009-10-15

CHEMICAL ANALYSIS *

C	MN	P	S	SI	NI	CR	MO	CO	CU	N
.019	1.70	.024	.022	.50	10.22	16.46	2.11	.09	.21	.079

AS SHIPPED PROPERTIES

HARDNESS

BHN 152

LONGITUDINAL

TENSILE PSI 79,190

YLD. 2% PSI 40,330

% ELONG4D 58.0

RED/AREA% 76.2

MACRO ACCEPTABLE

GRAIN SIZE # 3.0

THE REQUIREMENTS OF ASTM A262 PRACTICE E HAVE BEEN SATISFIED.

AS SHIPPED MATERIAL CONDITION

MATERIAL ANNEALED AT 1950 DEG. F. - WATER QUENCHED.

ADDITIONAL MATERIAL STATEMENTS

FURNACES SURVEYED ANNUALLY IN COMPLIANCE WITH AMS-H-6875 WITH PYROMETRY TO AMS 2750 MATERIAL MELTED BY ELECTRIC FURNACE AND ARGON OXYGEN DECARBURIZATION REFINED.

THANK YOU FOR SELECTING A QUALITY PRODUCT OF NAFTA ORIGIN MANUFACTURED WITH PRIDE AT CRUCIBLE INDUSTRIES LLC LOCATED IN SOLVAY, NY, USA IN COMPLIANCE WITH FAR 52.255-1 AND FAR 52.225-5. WE PROVIDE MATERIAL FREE OF MERCURY CONTAMINATION AND RADIATION. NO WELD REPAIR IS DONE. CRUCIBLE INDUSTRIES LLC HOLDS A CERTIFICATE OF REGISTRATION TO ISO 9001:2015, PRESSURE EQUIPMENT DIRECTIVE (PED) 97/23/EC 7/2, ANNEX 1, PARAGRAPH 4.3 AND WORKS UNDER THE GUIDELINES OF NCA 3800 USING QP MANUAL DATED 2/3/17. WE ARE COMPLIANT WITH EU DIRECTIVE 2011/65/EU (ROHS), REACH, EN 10204 2004 3.1, AND DFARS 252.225.7001,7002,7008,7009, 7014 ALTERNATE 1. MATERIAL TESTING IS PERFORMED ON A PROLONGATION OF THE BAR IN COMPLIANCE WITH INDUSTRY STANDARDS ASTM A370,E8,E10, E18,E23,E45,E112,E381,E604. *ACCREDITED CHEMICAL TESTING IS PERFORMED IN COMPLIANCE WITH INDUSTRY STANDARDS ASTM E572,E1019,E1086, E322, E415 AND E1085. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES, INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47, PRODUCTS, TECHNICAL DATA, TECHNOLOGY, AND SERVICES OF CRUCIBLE INDUSTRIES LLC ARE SUBJECT TO U.S. EXPORT CONTROLS UNDER THE APPLICABLE LAWS AND REGULATIONS OF THE UNITED STATES.

ROBERT TSCHERNJAWSKI - SPECIFICATION EXAMINER

WILLIAM MASTROE - MANAGER OF QUALITY AND PROCESS ENGINEERING

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