



Rolled Alloys Inc.
 6555 South 57th West Avenue Tulsa, OK
 74131
 United States of America
 Tel: 866-664-4298
 Fax: 918-594-2619

Sales Order # 4078896-TUL-1
Customer PO #: F-0820-0351

Certificate of Conformance

Sold To:
 TESCOP
 8525 E. 46TH ST.
 TULSA, OK 74145
 United States of America

Ship To:
 TESCOP
 8525 E. 46TH ST.
 TULSA, OK 74145
 United States of America

In #	Item Description Dimensions	Specifications	Quantity	Mill Country of Origin	Heat # Tracer #
1	3/8" PLATE HRAP 316/316L 3.0 x 18.0 in Laser Cut per drawing	Specs: See Test Report	2 pcs 12 lb	NORTH AMERICAN STAINLESS United States of America	E33C 0589096US
2	3/8" PLATE HRAP 316/316L 9.375 x 18.0 in Laser Cut per drawing	Specs: See Test Report	2 pcs 39 lb	NORTH AMERICAN STAINLESS United States of America	E33C 0589096US

We hereby certify that the material supplied by Rolled Alloys on the above referenced purchase order was processed in accordance with the quality assurance program and procedures approved under our ISO 9001:2015/AS9100D certificate. The material was produced in compliance with the following revisions of our Quality Manual: Rev. E – 1/9/2020, Rev. D – 6/1/2019, Rev. C 6/18/18, Rev. B 5/23/18, Rev. A 3/1/18, 3/28/15 (no letter), 3/7/14 (no letter), 1/22/14 (no letter), and 12/3/11 (no letter). Our records indicate that the material and test report(s) meet the requirements of EN 10204 for a Type 3.1 inspection certificate, and meet the requirements of the purchase order and applicable specifications. The certifications provided for the Tracer numbers above are authentic and true to the original document. Rolled Alloys QMS includes mechanisms and process controls for the prevention of counterfeit parts. Required documentation is on file, and is available for review upon request. The recording of false, fictitious or fraudulent statements or entries on this document may be punishable as a felony under federal statute. Unless otherwise specified, the materials supplied with this order did not come into known contact with mercury or other low melting point elements, radioactive materials, Polychlorinated Biphenyls (PCBs), nor undergo any weld repairs while under Rolled Alloys possession. (No mercury was used in the manufacturing of this product.) Rolled Alloys complies with the applicable requirements of the 2010 Dodd– Frank Wall Street Reform and Consumer Protection Act, concerning Conflict Minerals. When applicable, Rolled Alloys complies with the requirements of AS6279 Standard Practice for Production, Distribution, and Procurement of Metal Stock. Products supplied by Rolled Alloys are compliant with EU Directive 2011/65/EU and 2015/863 (RoHS3). These articles have no intended release as outlined in the European Chemical Agency's 'Guidance on requirements for substances in articles' (RIP 3.8), and there is no obligation to register them under REACH. Safety Data Sheets (SDS), formerly known as Material Safety Data Sheets (MSDS), are available at www.RolledAlloys.com. Products supplied by Rolled Alloys do not contain any significant amounts (does not exceed 0.1 Wt%) of the chemical compounds on the EU Candidate List of Substances of Very High Concern (SVHC).

Josh Messerole
 Director of Quality

September 15, 2020

Date



METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 564457 03 Mail To:
Customer: 2830 001 ROLLED ALLOYS
125 W. STERNS RD.
TEMPERANCE, MI 48182

Ship To:
ROLLED ALLOYS
125 W. STERNS RD.
TEMPERANCE, MI 48182

Date: 12/27/2019
Steel: 316/316L
Finish: HRAP

Corrosion: ASTM A262/15 A;180Bend-O

NAS Order: AN 0875516 03

Your Order: 0181202-TEM

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, HRAP; UNS 31600/31603
ASTM A240/18, A480/18a, A666/15; ASME SA240/17, SA480/17, SA666/17
CHEM ONLY ON FOLLOWING ASTM: A276/17, A479/17, A484/16, A312/16
CHEM ONLY ON FOLLOWING ASME: SA312/11, SA479/11
AMS 5507G/5524L X MRK;
NACE MR0175/ISO 15156-3:2009 A, MR0103/07; QQS766D-A X MAG PERM
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED
Material meets the requirements of ASTM A240/08.

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1; RoHS 1 & 2 Compliant
Material is Free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001
*Melted & Manufactured in the USA; Mat'l is DFARS Compliant

Product ID #	Coil #	Thickness	Width	Weight	Length	Mark	Pieces	COMMODITY CODE
05E33C D	* 05E33C D	.3750	48.0000	9,470	COIL	156.00	10	1

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) ANAB, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/14a

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
E33C	US	.0123	.2685	16.6290	.4390	1.1675	2.0170	.0654	10.0900	.0335
	S %									
	.0014									

MECHANICAL PROPERTIES

Product ID #	Coil #	UTS		20C .2% YS		ELONG %		Hard		Tail	A 262 'E' Pr E
		F T	89.60	KSI	%-2"	KSI	RB				
05E33C D	05E33C D	F T	89.60	49.34	47.02	87.50	92.00	OK			

RECEIVING INSPECTION
By: *[Signature]*
Date: 12/30/19

HEAT # E33C

TRACER # 0589096US

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

[Signature]
KRIS LARK

12/27/2019