

METALLURGICAL TEST REPORT

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

Certificate: 887321 02
Customer: 0305 402

Date: 12/06/2023 Page: 1

Steel: 316/316L

Finish: HRAP

Your Order: 120972

NAS Order: AN 1038309 01

Corrosion: ASTM A262/21;180Bend-OK

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, HRAP; UNS 31600/31603
ASTM A240/23,A480/23,A666/23;ASME SA240/19,SA480/19,SA666/19
CHEM ONLY ON FOLLOWING ASTM: A276/17,A479/23,A484/23,A312/22a
CHEM ONLY ON FOLLOWING ASME: SA312/19,SA479/19
AMS 5507H/5524M X MRK;
NACE MR0175/ISO 15156-3:2015 A , MR0103/07; QQS766D-A X MAG PERM
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1; RoHS 1, 2 & 3 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
05AH1K B	* 05AH1K B	.2500	48.0000	21,880	COIL	518.60	2	1 168408

ANAB, ISO/IEC 17025, Certificate# L2323

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Chemical Analysis per ASTM A751/20

HEAT	CM	C %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
AH1K	US	.0187	16.6500	.4145	1.2620	2.0810	.0702	10.0550	.0280	.0017
SI %										
.3040										

MECHANICAL PROPERTIES

Product ID #	Coil #	l o c	d i r	UTS KSI	20C KSI	.2% YS KSI	20C ELONG %-2"	% Hard RB	Tail Hard
05AH1K B	05AH1K B	F	T	93.23		52.01	46.22	87.00	88.00

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.


KRIS LARK 12/07/2023