

METALLURGICAL TEST REPORT

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

Certificate: 938005 02 Mail To:
Customer: 0305 402

Ship To:

Date: 8/09/2024 Page: 1

Steel: 316/316L

Finish: HRAP

Your Order: 114355

NAS Order: AN 1064385 01

Corrosion: ASTM A262/21;180Bend-OK

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, HRAP; UNS 31600/31603
ASTM A240/23,A480/23,A666/23;ASME SA240/23,SA480/23,SA666/19
CHEM ONLY ON FOLLOWING ASTM: A276/17,A479/23,A484/23,A312/22a
CHEM ONLY ON FOLLOWING ASME: SA312/23,SA479/23
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
05BR9A B	* 05BR9A B	.2500	48.0000	20,220	COIL	479.20	9	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 %
BR9A	US	.0105	16.8550	.4355	1.3440	2.1075	.0646	10.1700	.0285	.0010
		SI %								
		.3515								

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
05BR9A B	05BR9A B	F	T	90.44		49.79	49.77	86.50	86.00

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.


DANIEL HARGETT 8/12/2024