



**NORTH AMERICAN  
STAINLESS**

An Acerinox Group Company

Certificate: 837065 02 Mail To:

Customer: 0305 808

**METALLURGICAL TEST REPORT**

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

Date: 3/03/2023 Page: 1

Steel: 316/316L

Finish: HRAP

Corrosion: ASTM A262/15;180Bend-OK

NAS Order: AN 1012824 01

Your Order: 300265

**PRODUCT DESCRIPTION:**

STAINLESS STEEL COIL, HRAP; UNS 31600/31603  
ASTM A240/22a,A480/20a,A666/15;ASME SA240/19,SA480/19,SA666/19  
CHEM ONLY ON FOLLOWING ASTM: A276/17,A479/20,A484/20b,A312/21  
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  
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Product ID #	Coil #	Thickness	Width	Weight	Length	Mark	Pieces	COMMODITY CODE
01X45H D	* 01X45H D	.3750	48.0000	17,520	COIL	276.80	4	1 1076159

ANAB, ISO/IEC 17025, Certificate# L2323

Chemical Analysis per ASTM A751/20

**CHEMICAL ANALYSIS**

ES(Spain) US(United States) ZA(South Africa) JP(Japan)

HEAT	CM	C %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
X45H	US	.0236	16.6115	.4245	1.1595	2.0870	.0578	10.0450	.0300	.0012
SI %										
.3020										

**MECHANICAL PROPERTIES**

Product ID #	Coil #	FT	92.55	51.19	49.79	89.00	88.00
01X45H D	01X45H D						

Hard Tail  
% -2 RB

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

3/06/2023