

Certificate: 835664 01  
Customer: 0305 001

Date: 2/27/2023 Page: 1  
Steel: 316/316L  
Finish: 2B

Your Order: 114292

NAS Order: AN 1007526 01

Corrosion: ASTM A262/15;180Bend-OK

**PRODUCT DESCRIPTION:**

STNLS STL COIL, C.R. ANNEALED & PICKLED; 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

Product ID #	Coil #	Thickness	Width	Weight	-----Length-----	Mark	Pieces	COMMODITY CODE
03X45B A	* 03X45B A	.1150	48.0000	18,300	COIL 932.40	1	1	48852

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 %	
X45B	US	.0120	16.6375	.4005	1.2000	2.0550	.0608	10.1100	.0355	.0010	
		SI %									
		.3340									

**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
03X45B A	03X45B A	F	T	96.84		55.05	46.34	85.50	85.00

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 2/28/2023