



NORTH AMERICAN
STAINLESS

METALLURGICAL TEST REPORT

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

Certificate: 183238 02

Customer: 0305 053

Date: 5/31/2016 Page: 1

Steel: 304

Finish: 2B

Corrosion: ASTM A262/15 A, 180 Bend-OK

Your Order: 132729

NAS Order: AN 0703391 01

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED; UNS 30400
ASTM A240/15b, A480/15, A666/15; ASME SA240/15, SA480/15, SA666/15
CHEM ONLY ON FOLLOWING ASTM: A276/16, A479/16, A484/15, A312/16
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA479/13
AMS 5513J XMRK; MIL-S-5059D AMEND3 (X CROWN MEAS)
NACE MR0175/ISO 15156-3:2009 A, MR0103/07; QQST66D-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 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 DPA's Compliant

Product ID #	Coil #	Thickness	Width	Weight	Length	Mark	Pieces	COMMODITY CODE
02Y9D3 BC	* 02Y9D3 BC	.0233	48.0000	10,270	COIL	2696.6	4	1 3638

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)									
Lab Accreditation Bureau, ISO/IEC 17025, Certificate# 12323									
Chemical Analysis per ASTM A751/14a									
HEAT	CM	C %	CR %	CU %	MN %	MO %	N %	NI %	P %
Y9D3	US	.0437	18.0635	.5305	1.5820	.3800	.0612	8.0085	.0315
SI %									
.2540									

MECHANICAL PROPERTIES

Product ID #	Coil #	1 D	UNS	20C	.2% TS	20C ELONG	% Tail	Hard R45T
02Y9D3 BC	02Y9D3 BC	F T	101.93	50.51	54.76	56.00	55.00	R45T

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

5/31/2016