



INOXIDABLES Y PROCESOS

S.A. de C.V.

31-08-2010



METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

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Certificate: 571449 1

Date: 7/08/2010 Page: 1

Customer: 008010 002 C/O LOSEN FORWARDING, INC.
14405 ATLANTIC ITC IND. PARK
LAREDO, TX 78045

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Steel: 316/316L

Finish: 2B

Your Order: GL6022

NAS Order: PN 0009759 13

Corrosion: ASTM A262/02aE;180Bend-OK

PRODUCT DESCRIPTION:

STLSS STL COIL, C.R. ANNEALED & PICKLED; UNS 31600/31603
ASTM A240/10, A480/10, A666/03; ASME SA240/07, SA480/07, SA666/07
CHEM ONLY ON FOLLOWING ASTM: A276/06a, A479/01, A484/06b, A312/07
CHEM ONLY ON FOLLOWING ASME: SA312/07, SA479/07
AMS 5507F/5524L X MRK;
NACE MR0175/01, 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; QQS763F Cond A; RoHS Compliant
Material is Free of Radioactive Contamination
NAS Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001:2000

Product Id	Coil #	Skid #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
047BY0 A	047BY0 A		.1163	48.0000	10,510	COIL	5	1	

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

HEAT	CM	C	CR	CU	MB	MO	N	NI	P	S
7BY0	US	.0183	16.6130	.3950	1.5265	2.0080	.0530	10.0020	.0330	.0010
	SI									
		.3890								

MECHANICAL PROPERTIES

Product Id#	Coil #	Id	UTS	.2% YS	ELONG	Hard	Tail
		o i	KSI	KSI	%-2"	RB	Hard
047BY0 A	047BY0 A	F T	89.40	40.69	47.31	82.50	82.50

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

QC ENGINEER

7/08/2010

Att.

Miguel Angel Chávez