

F5T2



METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

6870 HIGHWAY 42 EAST

Certificate: 826088 1	Mail To: RYERSON CANADA, INC. C/O X4 - RYERSON BRAMPTON 7525 FINANCIAL DRIVE BRAMPTON, ON L6Y5P4	Ship To: RYERSON CANADA, INC. C/O X4 - RYERSON BRAMPTON 7525 FINANCIAL DRIVE BRAMPTON, ON L6Y5P4	Date: 4/10/2013 Page: 1
Customer: 007035 501			Steel: 304/304L
Your Order: 729639	NAS Order: PN 0024835 02		Finish: 1
			Corrosion: ASTM A262/02aE;180Bend-OK

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, HRAP; UNS 30400/30403
ASTM A240/11b, A480/11b, A666/10; ASME SA240/11a, SA480/11a, SA666/11a
CHEM ONLY ON FOLLOWING ASTM: A276/10, A479/11, A484/11, A312/11
CHEM ONLY ON FOLLOWING ASME: SA312/11, SA479/11
AMS 5811H/5811J XMRK; MIL-5059D AMD3(X CRN MEAS); MIL-4043B
NACE MR0175/ISO 15156-3:2003 A, MR0103/07; Q88766D-A X MAG PHRM
MIN. SOLUTION ANNEAL TRMP 1900F, WATER QUINCHED

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
NAS 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 DEFARs Compliant

Product Id	Coil #	Slab #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
03F5T2 B	03F5T2 B		.2460	48.0000	20.810	COIL	5	1	75273252

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CR %	CU %	FE %	MO %	N %	NI %	P %	S %
F5T2	US	.0186	18.2225	.4805	1.7225	.4105	.0751	8.0155	.0345	.0010

MECHANICAL PROPERTIES

Product Id	Coil #	UTS KSI	.2% YS KSI	ELONG %-2"	Hard RB	Tail Hard
03F5T2 B	03F5T2 B	91.17	46.25	51.27	87.50	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. _____

RYERSON
 6/28/2013 8:08:00 AM PAGE 1/001 Fax Server
 NEWNES PRECISION CUTTING LTD. P.O. - ANDREW S.O. - #00106