

Certificate: R82P46 07

Customer: 0650 013

304P/2.5

P.O. REC 62649-1

Date: 10/22/2013 Page: 1

Steel: 304/304L

Finish: HRAP

Your Order: 83-2843

NAS Order: XN 0591330 05

Corrosion: ASTM A262/10 A

PRODUCT DESCRIPTION:

STAINLESS STEEL PLATE, HRAP; UNS 30400/30403
ASTM A240/13a, A480/13, A666/10; ASME SA240/11a, SA480/11a, SA666/11a
CHEM ONLY ON FOLLOWING: ASTM: A276/13, A479/13a, A484/13a, A312/13
CHEM ONLY ON FOLLOWING: ASME: SA312/11, SA479/11
AMS 5511H/5513J XMRK; MIL-5059D AMD3 (X CRN MEAS); MIL-4043B
NACE MR0175/ISO 15156-3:2003 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 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 DPARS Compliant

Product ID #	Coil #	Thickness	Width	Weight	-----Length-----	Mark	Pieces
05K0C9 DA	* 05K0C9 DA	2.5400	60.0000	5,200	PLATE	120.00	6

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 %	MN %	MO %	N %	NI %	P %	S %
K0C9	US	.0215	18.0820	.4400	1.8185	.3725	.0621	8.0530	.0325	.0019
		SI %								
		.2175								

MECHANICAL PROPERTIES

Product ID #	Coil #	UTS KSI	.2% YS KSI	ELONG %-2"	Hard RB	A 262 Pr A	R of A %
05K0C9 DA	05K0C9 DA	FT	86.89	41.47	64.75	86.00	OK

METALS USA - MPLS
SD NO 56369-1
SOLD TO Doering Company
PO NO 131832
DATE 11-20-13

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. 
ERIC HESS 10/22/2013