



METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

6870 HIGHWAY 42 EAST

Certificate: 498203 1 Mail To:
ROLLED ALLOYS CANADA, INC.
Customer: 007130 009 6810 RUE ERNEST CORMIER
LAVAL, QC H7C2T5

Ship To:
ROLLED ALLOYS CANADA, INC.
6810 RUE ERNEST CORMIER
LAVAL, QC H7C2T5

Date: 8/25/2009 Page: 1
Steel: 316/316L
Finish: HRAP

Your Order: M10349

NAS Order: IN 0074361 01

5HR7.

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

PRODUCT DESCRIPTION:

STAINLESS STEEL PLATE, HRAP; UNS 31600/31603
ASTM A240/08, A480/08b, A666/03; ASME SA240/07, SA480/07, SA666/07
CHEM ONLY ON FOLLOWING ASTM: A276/08a, A479/08, A484/08, A312/08a
CHEM ONLY ON FOLLOWING ASME: SA312/07, SA479/07
AMS 5507F/5524K X MRK;
NACE MR0175/01, MR01039/07; 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
*Melted & Manufactured in the USA; Mat'l is DFARS Compliant

Product Id	Plate#	Skid #	Thickness	Width	Weight	-----Length-----	Mark	Pieces	Commodity Code
075HR7 CA	075HR7 CA		1.7575	60.0000	7,405	PLATE 240.00	1	1	

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

HEAT	CM	C	CR	CU	MN	MO	N	NI	P	S
5HR7	US	.0156	16.6475	.5255	1.4595	2.1335	.0358	10.0350	.0310	.0108
		SI								
		.4175								

MECHANICAL PROPERTIES

Product Id#	Plate#	1 d o i c r	UTS KSI	.2% YS KSI	ELONG %-2"	Hard RB	R of A %
075HR7 CA	075HR7 CA	F T	81.83	51.57	57.78	85.00	69.49

Tracer: 192949

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

QC ENGINEER

Eric Hess
ERIC HESS

8/25/2009