

B37A

B3K4



METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

C049483

6870 HIGHWAY 42 EAST

Certificate: 714143 2

Customer: 007226 001

Mail To:
ASA ALLOYS
20 CHALLENGER CRES.
SHERWOOD PARK, AB T8H2R1

Ship To:
ASA ALLOYS
20 CHALLENGER CRES.
SHERWOOD PARK, AB T8H2R1

Date: 2/28/2012 Page: 1

Steel: 316/316L

Finish: S7

Your Order: P025978

NAS Order: PN 0017351 20

Corrosion: EN ISO 3651-2 ASTM 262-E

PRODUCT DESCRIPTION:

EN 10272 1.4401/1.4404
ASTM A276/08A, ASTM A479/08, AMS 5648E/AMS 5653F, AMS QQB-763B
EN 10272, EN 10204 3.1, EN 10088.3
SOLUTION ANNEAL TEMP 1900F MIN, NACE MR0175 (MID RADIUS ONLY)

REMARKS:

COMPLIES W/REQUIREMENTS OF DFARS EU DIRECTIVE 2002.95.
EC, RoHS, EAF+ACD+CC, NO WELD REPAIR, MELTED AND MFG IN USA
FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BE3837 6		3.0000		948	144.00	18	1	

CHEMICAL ANALYSIS

HEAT	CM	C	CR	CU	MN	MO	N	NI	P	S
B3K4	US	.0229	16.7210	.4970	1.4610	2.0315	.0415	10.5000	.0380	.0250
	SI									
		.5340								

MECHANICAL PROPERTIES

Product Id	Id	Ip1 RT	Ip2 RT	Ip3 RT	IpAVG	Temp	HR-PED	TS-PED	YS-P	1YSPED	El-PED	RA-PED	Elong
	o r	FTLB	FTLP	FTLP	FTLB	Deg	No.	KSI	KSI	KSI	% 4D	%	% 4D
BE3837 6	R L	118.00	133.00	132.00	134.00	75.00	155.00	83.73	38.02	43.97	53.98	78.57	45.00

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

Technical Dept. Mgr.

Eric Hess
ERIC HESS

2/28/2012