



METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

0026461

6870 HIGHWAY 42 EAST

Certificate: 626501 2 Mail To:
ASA ALLOYS
Customer: 007226 001 20 CHALLENGER CRES.
SHERWOOD PARK, AB T8H2R1

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

Date: 3/16/2011 Page: 1

Steel: 316/316L

Finish: ST

Your Order: P023261

NAS Order: PN 0012101 02

Corrosion: ASTM A262 Prac E

PRODUCT DESCRIPTION:

Round Bar, Annealed, Smooth Turned, Cold Finished
UNS 31600/31603, EN 10204 3.1, ASTM A484/08
ASTM A276/08A, ASTM A479/08, ASTM A182/08A CHEM ONLY,
ASME SA479/07, ASME SA 182/08A CHEM ONLY
AMS 5648K/AMS 5653F, AMS QQS-763B, QQS 763F
NACE MR0175 (MID RADIUS ONLY)

REMARKS:

COMPLIES W/REQUIREMENTS OF DFARS EU DIRECTIVE 2002.95.
EC. RoHS. EAF+AOD+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
BD6153 0		3.2500		712	144.00	3	1	

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

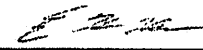
HEAT	CM	C	CO	CR	CU	MN	MO	N	NI	P
BTW2	US	.0183	.3020	16.6575	.4585	1.5195	2.0400	.0416	10.5550	.0365
		S	SI							
		.0240	.4285							

MECHANICAL PROPERTIES

Product Id	l o i c r	HB No.	.2YS KSI	UTS KSI	RA %	E1ng % 4D
BD6153 0	R L	188.00	50.00	91.00	55.00	38.00

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

QC ENGINEER


ERIC HESS

3/16/2011