



6870 HIGHWAY 42 EAST

Certificate: 639327 1

Customer: 007226 001

Your Order: P023360

Mail To:

ASA ALLOYS  
20 CHALLENGER CRES.  
SHERWOOD PARK, AB T8H2R1

Ship To:

ASA ALLOYS  
20 CHALLENGER CRES.  
SHERWOOD PARK, AB T8H2R1

Date: 5/09/2011 Page: 1

Steel: 316/316L

Finish: ST

NAS Order: PN 0012871 29

**PRODUCT DESCRIPTION**

Round Bar, Annealed, Smooth Turned, Cold Finished  
UNS 31600/31603. EN 10204 3.1, ASTM A404/00  
ASTM A276/10, ASTM A779/10a, ASTM A182/08A  
ASME SA779/10a, ASME SA 182/08A CHEM ONLY.  
AMS 5648K/AMS 5633F, AMS QQS-763B, QQS 763F  
NACE MR0175 (MID RADIUS ONLY)

**REMARKS:**

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

Corrosion: ASTM A262 Prac E OK

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BD7562 4	3	3.7500		1.432	144.00	99	1	

**CHEMICAL ANALYSIS**

HEAT	CM(Country of Melt)	ES(Spain)	US(United States)	ZA(South Africa)	JP(Japan)				
9B64									
9BW4									
	CH	C	CO	CR	CU	MN	MO	NI	P
	US	.0168	.2945	16.8950	.4720	1.4575	2.1450	.0492	10.5450
	S	SI							.0340
		.0245	.2555						

**MECHANICAL PROPERTIES**

Product Id	Id	HB	2YS	UTS	RA	Elong
BD7562 4	RL	156.00	41.00	85.00	69.00	57.00

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

QC ENGINEER \_\_\_\_\_ 5/09/2011

ERIC HESS

0030042

NORTH AMERICAN STAINLESS  
6870 HIGHWAY 42 EAST  
GHENT, KY 41045

**METALLURGICAL TEST REPORT**