

9PF2.

C036293



METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

6870 HIGHWAY 42 EAST

Certificate: 659326 3 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: 8/10/2011 Page: 1

Steel: 316/316L

Finish: ST

Your Order: P023987

NAS Order: PN 0014125 34

Corrosion: ASTM A262 Prac E OK

PRODUCT DESCRIPTION:

Round Bar, Annealed, Smooth Turned, Cold Finished
UNS 31600/31603, EN 10204 3.1, ASTM A484/08
ASTM A276/10, ASTM A479/10a, ASTM A182/10 CHEM ONLY,
ASME SA479/10a, ASME SA 182/10 CHEM ONLY
AMS 5648K/AMS 5653F, AMS QQS-763B, QQS 763F
NACE MR0175 (MID RADIUS ONLY)

REMARKS:

COMPLIES W/REQUIREMENTS OF DEARS 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
BD9587 7		3.2500		1,016	144.00	131	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
9PF2	US	.0161	.2440	17.2615	.3420	1.5290	2.0770	.0504	10.5200	.0345
		S	SI							
		.0210	.2415							

MECHANICAL PROPERTIES

Product Id	d	HB	.2YS	UTS	RA	Elong
	o i	No.	KSI	KSI	%	% 4D
BD9587 7	R L	164.00	42.00	88.00	68.00	51.00

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

QC ENGINEER

ERIC HESS

8/10/2011