



METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GILBERT, KY 41045

6870 HIGHWAY 42 EAST

Certificate: 726112 4
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: 4/04/2012 Page: 1

Steel: 316/316L

Finish: RT

Your Order: P026694

NAS Order: IN 0144033 23

B3V4

Corrosion: ASTM A262 Prac E OK

PRODUCT DESCRIPTION:

NACE MR0175 (MID RADIUS ONLY)
Round Bar, Hot Rolled, Annealed, Rough Turned
UNS 31600/31603 EN 10204 3.1, ASTM A184/10
ASTM A276/10, ASTM A479/10a, ASTM A182/10 CHEM ONLY,
ASME SA479/10a, ASME SA182/10 CHEM ONLY
AMS 5648K/AMS 5653G, AMS QQS-763B, QQS 763F

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
BE3816 7		5.0000		1,574	144.00	32	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
B3V4	US	.0250	.2300	16.6175	.4380	1.4190	2.0565	.0400	10.5700	.0375
		S	SI							
		.0240	.3300							

MECHANICAL PROPERTIES

Product Id	1 o c r	4 : r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BE3816 7	R	L	156.00	40.00	85.00	68.00	53.00

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

Technical Dept. Mgr.

ERIC HESS

4/04/2012