



METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

C5V9 4" TBR.

6870 HIGHWAY 42 EAST

Certificate: 739747 4

Metal 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: 5/23/2012 Page: 1

Steel: 316/316L

Finish: ST

Your Order: P026849

NAS Order: PN 0019083 29

Corrosion: ASTM A262 Prac E OK

PRODUCT DESCRIPTION:

NACE BR0175(MID RADIUS ONLY)
Round Bar, Annealed, Smooth Turned, Cold Finished
UNS 31600/31603, EN 10204 3.1, ASTM A484/10
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 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
BE6240 7		4.0000		1,029	144.00	18	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
C5V9	US	.0135	.2365	17.2475	.4970	1.4150	2.0565	.0406	10.6250	.0325
		S	SI							
		.0205	.2485							

MECHANICAL PROPERTIES

Product Id	HB	2YS	UTS	RA	Elong	
	No.	KSI	KSI	%	% 4D	
BE6240 7	R L	155.00	40.00	84.00	70.00	54.00

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

Technical Dept. Mgr.

ERIC HESS

3/2012