

# JOB 2 (4")



## METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS  
6870 HIGHWAY 42 EAST  
GHENT, KY 41045

C085716

6870 HIGHWAY 42 EAST

Certificate: 856128 2  
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: 7/26/2013 Page: 1

Steel: 304/304L

Finish: ST

Your Order: P030038

NAS Order: PN 0028024 02

Corrosion: ASTM A262-10 Prac A/E OK

### PRODUCT DESCRIPTION:

NACE MR0175 (MID RADIUS ONLY)  
Round Bar, Annealed, Smooth Turned, Cold Finished  
UNS 30400/30403, EN 10204 3.1, ASTM A484/11  
ASTM A276/10, ASTM A479/11, ASTM A182/10 CHEM ONLY,  
ASME SA479/10a, ASME SA182/10 CHEM ONLY  
AMS 5639H, AMS 5647J, AMS QQS-763B, QQS-763F  
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8  
ASTM A193/10A-ASME SA193/10 CL 1 GR B8 (EXC PAR 7.2)

### REMARKS:

COMPLIES W/REQUIREMENTS OF DPAR 252.225-7014A-1 EU DIRECTIVE  
2011/65/EU.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
BF5557 1		4.0000		1,030	144.00	2	1	

### CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
JOB2	US	.0230	.0280	18.4440	.1240	1.3830	.0105	.0786	8.5205	.0250
		S %	SI %							
		.0250	.2800							

### MECHANICAL PROPERTIES

Product Id	l d o i c r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BF5557 1	R L	142.00	39.00	87.00	54.00	43.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

ERIC HESS

7/26/2013