

# CSW5



## METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS  
6870 HIGHWAY 42 EAST  
GHENT, KY 41045

6870 HIGHWAY 42 EAST

ASA PO 77353 WO 5775/6 C/A 2 POEL 40/30

Certificate: 739752 1  
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: 8/14/2012 Page: 1

Steel: 316/316L

Finish: ST

Your Order: P026849

NAS Order: PN 0019081 28

Corrosion: ASTM A262 Prac E OK

10 pcs  
5569  
M

### PRODUCT DESCRIPTION:

NACE MR0175/07 (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
BE6287 2		3.7500		928	144.00	21	1	

### CHEMICAL ANALYSIS

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
CSW5	US	.0127	.2595	16.6360	.4755	1.4685	2.0675	.0399	10.5700	.0350
		S %	SI %							
		.0275	.2240							

### MECHANICAL PROPERTIES

Product Id	1 d o i c r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BE6287 2	R L	150.00	39.00	84.00	68.00	57.00

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

8/14/2012