



7NK5

0021224

METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

6870 HIGHWAY 42 EAST

Certificate: 607855 5	Mail To: ASA ALLOYS 20 CHALLENGER CRES. SHERWOOD PARK, AB T8H2R1	Ship To: ASA ALLOYS 20 CHALLENGER CRES. SHERWOOD PARK, AB T8H2R1	Date: 12/28/2010	Page: 1
Customer: 007226 001			Steel: 316L	
			Finish: RT	
Your Order: P023186	NAS Order: IN 0108590 03		Corrosion: ASTM A262 Prac E	

PRODUCT DESCRIPTION: Round Bar, Hot Rolled, Annealed, Rough Turned UNS 31600/31603 EN 10204 3.1, ASTM A484/08 ASTM A276/08A, ASTM A479/08, ASTM A182/08A CHEM ONLY, ASME SA479/07, ASME SA182/08A CHEM ONLY AMS 5648K/AMS 5653F, AMS QQS-763B, QQS 763F NACE MR0175 (MID RADIUS ONLY)	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
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Product Id	Skid #	Diameter	Size	Weight	-----Length-----	Mark	Pieces	Commodity Code
BD4266 6		5.0000		796	144.00	5	1	

CHEMICAL ANALYSIS

HEAT	CM	C	CO	CR	CU	MN	MO	N	NI	P
7NK5	US	.0196	.2530	17.0735	.4305	1.4780	2.0235	.0441	10.5100	.0310
		S	SI							
		.0250	.2660							

MECHANICAL PROPERTIES

Product Id	1 d o i c r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BD4266 6	R L	158.00	41.00	84.00	67.00	54.00



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

QC ENGINEER Eric Hess 12/28/2010
ERIC HESS