



C0N6

METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

C053248

6870 HIGHWAY 42 EAST

Certificate: 727857 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: 4/18/2012 Page: 1

Steel: 316/316L

Finish: ST

Your Order: P026269

NAS Order: PN 0018137 33

Corrosion: EN ISO 3651-2 ASTM 262-E

PRODUCT DESCRIPTION:

EN 10272 1.4401/1.4404
ASTM A276/08A, ASTM A479/08, AMS 5648K/AMS 5653F, AMS QQS-763B
EN 10272, EN 10204 3.1, EN 10088.3
SOLUTION ANNEAL TEMP 1900F MIN, 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

| Product Id | Skid # | Diameter | Size | Weight | -----Length----- | Mark | Pieces | Commodity Code |
|------------|--------|----------|------|--------|------------------|------|--------|----------------|
| BE5054 4 | | 3.0000 | | 1,144 | 144.00 | 44 | 1 | |

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

| HEAT | CM | C | CR | CU | MN | MO | N | NI | P | S |
|--------------|----|-------|---------|-------|--------|--------|-------|---------|-------|-------|
| C0N6 C0N6 | US | .0138 | 16.6065 | .4025 | 1.4050 | 2.0535 | .0513 | 10.5500 | .0325 | .0270 |
| | | SI | | | | | | | | |
| | | .3120 | | | | | | | | |

MECHANICAL PROPERTIES

| Product Id | i d | Ip1 RT | Ip2 RT | Ip3 RT | IpAVG | Temp | HB-PED | TS-PED | YS-P | 1YSPED | E1-PED | RA-PED | E1ng |
|------------|-----|--------|--------|--------|--------|-------|--------|--------|-------|--------|--------|--------|-------|
| | c r | FTLB | FTLP | FTLP | FTLB | Deg | No. | KSI | KSI | KSI | % 4D | % | % 4D |
| BE5054 4 | R L | 122.00 | 143.00 | 144.00 | 136.00 | 75.00 | 201.00 | 86.71 | 60.35 | 64.62 | 47.00 | 76.42 | 59.00 |

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

Technical Dept. Mgr.

ERIC HESS 4/18/2012