



D0J6.

C060957

METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

6870 HIGHWAY 42 EAST

Certificate: 755974 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: 8/03/2012 Page: 1

Steel: 316/316L

Finish: ST

Your Order: P026269

NAS Order: PN 0020295 03

Corrosion: EN ISO 3651-2 ASTM 262-E

PRODUCT DESCRIPTION:

EN 10272 1.4401/1.4404 (CHEM ONLY)
EN 10272, EN 10204 3.1, EN 10088.3
SOLUTION ANNEALED @ 1900F MIN & QUENCHED
NACE MR0175/MR0103 (MID RADIUS ONLY)

REMARKS:

COMPLIES W/REQUIREMENTS OF DPAR 252.225-7014A-1 EU DIRECTIVE
2002.95.EC.ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MPG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Table with columns: Product Id, Skid #, Diameter, Size, Weight, Length, Mark, Pieces, Commodity Code. Row: BE7415 3, 3.2500, 1,055, 144.00, 3, 1

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

Table with columns: HEAT, CM, C %, CR %, CU %, MN %, MO %, N %, NI %, P %, S %, SI %. Row: D0J6, US, .0181, 16.6195, .5530, 1.4270, 2.0370, .0380, 10.5300, .0370, .0230, .3115

MECHANICAL PROPERTIES

Table with columns: Product Id, Id, RT, RT, RT, Avg, Temp, HB-PED, TS-PED, YS-P, LYPED, El-PED, RA-PED, Elng. Row: BE7415 3, R L, 142.00, 159.00, 161.00, 154.00, 75.00, 196.00, 85.63, 55.47, 61.61, 42.60, 74.71, 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.

Signature of Eric Hess

ERIC HESS

8/03/2012