



9VM2.

METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

6870 HIGHWAY 42 EAST

Certificate: 668342 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: 2/08/2012 Page: 1

Steel: 316/316L

Finish: ST

Your Order: P025067

NAS Order: IN 0127620 01

Corrosion: ASTM A262 Prac E OK

PRODUCT DESCRIPTION:

Round Bar, Annealed, Smooth Turned, Cold Finished
UNS 31600/31603, EN 10204 3.1, ASTM A484/08
ASTM A276/10, ASTM A479/10a, ASTM A182/10 CHEM ONLY,
ASME SA479/10a, ASME SA 182/10 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. EAP+AOD+CC. NO WELD REPAIR. MELTED AND MFG 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 1: BE0337 1, 3.2500, 1,062, 144.00, 1, 1

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

Table with columns: HEAT, CM, C, CO, CR, CU, MN, MO, N, NI, P. Row 1: 9VM2, US, .0153, .3140, 16.6540, .4980, 1.4385, 2.0570, .0408, 10.5700, .0365

MECHANICAL PROPERTIES

Table with columns: Product Id, HB, .2YS, UTS, RA, Elng. Row 1: BE0337 1, R L, 141.00, 38.00, 82.00, 71.00, 61.00

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

Technical Dept. Mgr.

ERIC HESS

2/08/2012