

VIRAJ IMPOEXPO
(A DIVISION OF VIRAJ PROFILES LTD.)

73210

59345

10 IMPERIAL CHAMBERS, FIRST FLOOR,
WILSON ROAD, BALLARD ESTATE,
MUMBAI - 400 008 (INDIA)

TEST CERTIFICATE

CUSTOMER :
ASA ALLOYS INC.
81 STEINWAY BLVD,
ETOBICOKE, ONTARIO,
CANADA, M9W 6H6.

ORDER NO.
PO#061233-CV

PACKING LIST NO.
IMP/17256

INSPECTION NO. DATE
IMP/17256/5 13/01/2007

GRADE
316L/1.4404

BUNDLE NO 211931

DESCRIPTION :
STAINLESS STEEL ROUND BAR L/C NO.: 984 LBI 6675 DT.: 16/01/2007

ROUGH TURNED

| SIZE | SHAPE | TOLERANCE | LENGTH | PIECES | WEIGHT LBS |
|------------|-------|-----------|-----------|--------|---------------|
| 8 1/2 INCH | ROUND | RT | 12FT-20FT | 1 | 2963 |

CHEMICAL ANALYSIS

HEAT NO : 73210

| C | Mn | SI | S | P | NI | Cr | Mo | Cu | N | Co |
|-------|------|------|-------|-------|-------|-------|------|------|-------|------|
| 0.018 | 1.98 | 0.48 | 0.019 | 0.039 | 10.70 | 16.88 | 2.01 | 0.31 | 0.088 | 0.18 |

TEST RESULT

| .2% YIELD STRENGTH | TENSILE STRENGTH | ELONGATION % | REDUCTION OF AREA % | HARDNESS BHN | GRAIN SIZE |
|--------------------|------------------|-----------------|------------------------|-----------------|---------------|
| 35 | 80 | 61 | 75 | 160 | 5 |

Specification:

MATERIAL CONFIRMS TO ASTM A276-05a, A193/A193M-05 B8MCL1,
A182/A182M-2001, A479/A479M-05a, ASME SA182-07,
SA182-08 B8MCL1, SA479-07, QQ6-763F,

AMS 5648J/5683E, NACE MR01-75 - 98.

I.G.C. SATISFACTORY AS PER ASTM A262 PRACTICE E.DIN 50914

MATERIAL CONFIRMS TO EN 10088-3, DIN17440

CERTIFIED AS PER 10204-3.1B

Remarks:

MATERIAL IS FREE FROM MERCURY CONTAMINATION
FREE FROM WELD OR WELD REPAIR.

MICRO STRUCTURE : FREE FROM CONTINUOUS CARBIDE NETWORK.

MACRO STRUCTURE : GOOD, MINIMUM SOLUTION ANNEALING

TEMPERATURE 1050C, WATER QUENCHED

We hereby certified that the material described above has been tested and complies with the terms of order/contract.

Suwana

WORKS INSPECTOR