

VIRAJ IMPOEXPO
(A DIVISION OF VIRAJ PROFILES LTD.)

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

73288

55136
 (2)



TEST CERTIFICATE

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

ORDER NO. PO#061233-CV
PACKING LIST NO. IMP/17135
INSPECTION NO. IMP/17135/8
DATE 18/12/2006
GRADE 1.4404/316L

BUNDLE NO 208311, 208285, 208312, 208284,

DESCRIPTION :
 STAINLESS STEEL ROUND BARS L/C NO.: 964 LBI 5660 DT.: 20/12/2006

SMOOTH TURNED

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT LBS
3 3/4 INCH	ROUND	ASTM A484	12 FT (-0/+2 INCH)	10	4805

CHEMICAL ANALYSIS

HEAT NO : 73288

C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N	Co
0.023	1.44	0.58	0.024	0.034	10.00	18.40	2.08	0.37	0.066	0.15

TEST RESULT

.2% YIELD STRENGTH	TENSILE STRENGTH	ELONGATION %	REDUCTION OF AREA %	HARDNESS BHN	GRAIN SIZE
42	84	60	72	177	6

Specification:

MATERIAL CONFIRMS TO ASTM A276-05a, A193/A193M-05 B8MCL1,
 A182/A182M-2001, A479/A479M-05a, ASME SA182-97,
 SA183-98 B8MCL1, SA479-97, QQS-783F,
 AMS 5648J/5653E, NACE MR01-75 - 99.
 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.

Swarna
WORKS INSPECTOR