

C-54161120
H-64861
P-020077

64861

VIRAJ IMPOEXPO LIMITED

10, IMPERIAL CHAMBERS, 1ST FLOOR
WILSON ROAD, BALLARD ESTATE
MUMBAI - 400 038 INDIA

TEST CERTIFICATE

CUSTOMER:
VIRAJ USA INC.
282 WEST, 38TH STREET
SUITE 401, NEW YORK, NY10018

ORDER NO.
L09685

PACKING LIST NO.
IMP/12432

INSPECTION NO
IMP/12432/5

DATE
23/12/2003

BUNDLE NO.
102625,102627

GRADE
T-304/304L

DESCRIPTION:
STAINLESS STEEL BRIGHT BARS

PEELED & POLISHED

SIZE (INC)	SHAPE	TOLERANCE	LENGTH (FT)	PIECES	WEIGHT (LBS)
3 3/4	ROUND	ASTM A484	12' - 14'	5	2639

CHEMICAL ANALYSIS

HEAT NO. 64861

C	Mn	SI	S	P	NI	Cr	Mo	Cu	N	Co
0.022	1.48	0.50	0.022	0.035	8.05	18.40	0.46	0.39	0.068	0.10

TEST RESULT

2% YIELD STRENGTH KSI	TENSILE STRENGTH KSI	ELONGATION %	REDUCTION OF AREA %	HARDNESS BHN	GRAIN SIZE
36	80	58	70	163	5

Specification:

MATERIAL CONFIRMS TO ASTM A276-00a COND. A, A478-01 COND A, A193-01b B8 CL1, A320-01 B8 CL1, NACE MR0175-2002 ASME SA479-99 COND A, SA193-00 B8 L1 (CHEMISTRY ONLY), SA 320-00 B8 CL1, QQ-S-763F COND A (EXCEPT MARKING), AMS 5639G, AMS 5647G (EXCEPT MARKING), ASTM A282-98 PRACTICE B, UNS-S-3400/S-30403 ASTM A192-01b (CHEMISTRY ONLY), GRAIN SIZE AS PER ASTM E112-96e1, ASME SA-192-98 (CHEMISTRY ONLY), NACE MR 0175-2002, IMPROVED WELDABILITY QUALITY


Remarks:

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS, MICRO: FREE FROM CONTINUOUS CARBIDE NETWORK ON GRAIN BOUNDARIES. MACRO: GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, WATER QUENCHED, MELT SOURCE: AOD.

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

CORUS APPROVED

-02- 1 6 2004

BY: 


WORKS INSPECTOR