

VIRAJ PROFILES LIMITED

10 IMPERIAL CHAMBERS, 1ST FLOOR,
WILSON ROAD, BALLARD ESTATE,
MUMBAI - 400038 INDIA.

TEST CERTIFICATE

CUSTOMER :

ORDER NO.
PO#19252

PACKING LIST NO. IMP/19205
INSPECTION NO IMP/19205/2

DATE
27/01/2008

BUNDLE NO.
261257,261258

GRADE
316/316L

DESCRIPTION :
STAINLESS STEEL BRIGHT BARS

ROUGH TURNED

SIZE (INC)	SHAPE	TOLERANCE	LENGTH (FT)	PIECES	WEIGHT (LBS)
11.000"	ROUND	RT	12FT - 20FT	2	7149

CHEMICAL ANALYSIS

HEAT NO.	C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N	Co
78596	0.026	1.84	0.50	0.021	0.039	10.64	16.80	2.00	0.44	0.079	0.16

TEST RESULT

.2% YIELD STRENGTH KSI	TENSILE STRENGTH KSI	ELONGATION %	REDUCTION OF AREA %	HARDNESS BHN	GRAIN SIZE
37	85	62	74	168	6

Specification :

MATERIAL CONFIRMS TO ASTM A276-06 COND. A, A478/A478M-06a CON A, A193/A193M-06a B8M CL1, A320/A320M-05a B8M CL1 ASME SA 162-99(CHEMISTRY ONLY) ASME SA479-98 COND A, SA193-98 B8M CL1 SA 320-98 B8M CL1, AMS QQ-S-763B-08 COND A (EXCEPT MARKING), AMS 5648J, AMS 5653F(EXCEPT MARKING), UNS-S-31600/S-31603 ASTM A182/A182M-06 (CHEMISTRY ONLY), NACE-MR-0175, GRAIN SIZE AS PER ASTM E112-98a1, IMPROVED MACHINABILITY QUALITY. INTERGRANULAR CORROSION TEST PASSED IN ACCORDANCE WITH ASTM A262-02a PRACTICE E, CERTIFICATE AS PER EN 10204-3.1b.

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, SOAKING TIME 1hr/inch, WATER QUENCHED, MELT SOURCE:AOD.

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

This report is a copy of original mill certificate and verifies that the product meets the requirements as originally ordered by

DATE: MAR 10 2008 VERIFIED BY: [Signature]

[Signature]
WORKS INSPECTOR
S. SUVARNA