

**VIRAJ IMPOEXPO**  
(A DIVISION OF VIRAJ PROFILES LTD.)

73830

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

**TEST CERTIFICATE**

**CUSTOMER :**  
VIRAJUSA, INC  
267 WEST 38TH STREET  
SUITE 401  
NEW YORK, NY 10018

**ORDER NO.**  
L20262

**PACKING LIST NO.**  
MP/17767

**INSPECTION NO. DATE**  
MP/17767/16 04/05/2007

**GRADE**  
T-316/316L

**BUNDLE NO.** 218650

**DESCRIPTION :**  
STAINLESS STEEL BRIGHT BARS

**ROUGH TURNED**

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT LBS
11 INCH	ROUND	RT	12FT - 20FT	1	3911

**CHEMICAL ANALYSIS**

**HEAT NO :** 73830

C	Mn	Si	S	P	Fe	Cr	Mo	Cu	N	Co
0.020	2.00	0.47	0.022	0.038	10.50	16.75	2.03	0.30	0.077	0.20

**TEST RESULT**

0.2% YIELD STRENGTH KSI	TENSILE STRENGTH KSI	ELONGATION %	REDUCTION OF AREA %	HARDNESS BHN	GRAIN SIZE
34	80	8.3	74	152	5

**Specification:**

MATERIAL CONFIRMS TO ASTM A276-05a CON. A, A479/A479M-05a CON. A, A193/A193M-02 88M CL1, A320/A320M-ASME SA 192-90 (CHEMISTRY ONLY), ASME SA479-99 COND. A, SA193-99 88M CL1, SA 321-99 88M CL1, AMS 008763B-06 COND. A (EXCEPT MARKING), AMS 5658J, AMS 5653F (EXCEPT MARKING), UNS-S-31600S-31603 ASTM A182/A182M-05a (CHEMISTRY ONLY), NACE-MR-0175, GRAIN SIZE: AS PER ASTM E 112, IMPROVED MACHINABILITY QUALITY INTERGRANULAR CORROSION TEST PASSED IN ACCORDANCE WITH ASTM A276-05a 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/minch, WATER QUENCHED, MELT SOURCE GOOD.

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

**APPROVED  
AS NOTED**

No comments. Proceed.  
S.M. 2/10/06.

*S. Suvana*  
WORKS INSPECTOR  
S. Suvana