

Mill Test Report

C-54161128 H-73256 P-041489

MILL TEST REPORT

TA CHEN INTERNATIONAL CORPORATION

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MTR#: VJRB171562 Customer#: FIDMIS PO#: 806 SO#: P89744  
 Item#: R84L0400 Bundle#: VJ9208043 Heat#: 73256

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

10 BOYERIAL CHAMBERS, FIRST FLOOR,  
 WILSON ROAD, BALLARD ESTATE,  
 MUMBAI - 400 099 (INDIA)

**TEST CERTIFICATE**

CUSTOMER:  
 VIRAJ USA INC.  
 362 WEST, 38TH STREET  
 SUITE 401  
 NEW YORK, NY 10018

ORDER NO.  
 L18645

PACKING LIST NO.  
 IMP171562

INSPECTION NO. DATE  
 IMP171562 22/12/2006

GRADE  
 T-304/304L

BUNDLE NO. 99208642, 99208643,

DESCRIPTION:  
 STAINLESS STEEL BRIGHT BARS

PEELED & POLISHED

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
4 INCH	ROUND	ASTM A484	12FT - 14FT	8	4190 LBS

**CHEMICAL ANALYSIS**

HEAT NO: 73256

C	Mn	Si	S	P	N	Cr	Mo	Cu	Ni	Cu
0.020	1.54	0.49	0.023	0.040	0.02	18.10	0.29	0.50	0.080	0.20

**TEST RESULT**

0.2% YIELD STRENGTH	TENSILE STRENGTH	ELONGATION %	REDUCTION OF AREA %	HARDNESS BHN	GRAIN SIZE
39	62	60	71	188	5

**Specification:**

MATERIAL CONFORMS TO ASTM A276-02a COND. A, A479-01 COND. A, A593-01 SS CL1, A320-01 SS CL1, ASME SA479-02 COND. A, SA479-02 SS CL1 (CHEMISTRY ONLY), NACE MR0175-2002, ASME SA479-02 COND. A, SA479-02 SS CL1 (CHEMISTRY ONLY), SA 320-02 SS CL1, ASME SA 320-02 SS CL1, ASME SA 320-02 COND. A (EXCEPT MARKING), AND SA 479-02 (EXCEPT MARKING), UNS S30400/304L. Intermediate Controlled Test Performed in accordance with ASTM A 276-02 PRACTICE E, ASTM A192-01 GRAIN SIZE AS PER ASTM E173-01 ASME SA-192-02 (CHEMISTRY ONLY), NACE MR 0175-2002, IMPROVED MACHINABILITY 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, SOAKING TIME 1hr/Inch, WATER QUENCHED, MELT SOURCE: ADD,

ENCORE METALS  
 APPROVED  
 APR 20 2007  
 BY: *FB*

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

*Juwana*  
 WORKS INSPECTOR