

**VIRAJ IMPOEXPO LIMITED**

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

**TEST CERTIFICATE**

**CUSTOMER :**

ORDER NO .

PACKING LIST NO.  
IMP/14844

INSPECTION NO  
IMP/14844/12

DATE  
18/11/2005

BUNDLE NO .  
183689

GRADE  
316/316L

DESCRIPTION :  
STAINLESS STEEL BRIGHT BARS

**SMOOTH TURNED**

SIZE (INC)	SHAPE	TOLERANCE	LENGTH (FT)	PIECES	WEIGHT (LBS)
4	ROUND	ASTM A484	12' - 14'	4	2284

**CHEMICAL ANALYSIS**

HEAT NO.	C	Mn	Si	S	P	NI	Cr	Mo	Cu	N	Co
70332	0.025	1.64	0.46	0.027	0.038	10.09	16.19	2.00	0.47	0.063	0.20

**TEST RESULT**

.2% YIELD STRENGTH KSI	TENSILE STRENGTH KSI	ELONGATION %	REDUCTION OF AREA %	HARDNESS BHN	GRAIN SIZE
38	82	60	70	162	6

**Specification :**

MATERIAL CONFIRMS TO ASTM A276-00a, A 479-01, A484-00, A262-98 PRACTICE E, RMS 60, ASTM A183-01b BSM CL1, A368-95ED, A182-01a AMS 8648/J3653E, ASME SA-182-08ED, SA479-08ED, SA-183-08 BSM C L1, QQ-S-763F, MILL-S-7720A AM2, NACE-MR-01-75-98, UNS/F5318 00/831003, ASTM E 112-88 (GRAIN SIZE). CERTIFICATION AS PER EN 10204-3.1B.

**Remarks :**

MATERIAL IS FREE 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.

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



*(Signature)*  
**WORKS INSPECTOR**  
**( K. R. K. MURTHY )**

E14017