

**VIRAJ IMPOEXPO LIMITED**

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

**TEST CERTIFICATE****CUSTOMER :****ORDER NO .****PACKING LIST NO.**  
IMP/13820**INSPECTION NO**  
IMP/13820/2**DATE**  
13/02/2005**BUNDLE NO .**  
137567**GRADE**  
316/316L**DESCRIPTION :**  
STAINLESS STEEL BRIGHT BARS**ROUGH TURNED**

SIZE (INC)	SHAPE	TOLERANCE	LENGTH (FT)	PIECES	WEIGHT (LBS)
6 1/4	ROUND	RT	12' - 14'	1	1761

**CHEMICAL ANALYSIS**

HEAT NO.	88043										
C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N	Co	
0.021	1.76	0.44	0.022	0.038	10.56	16.55	2.03	0.42	0.090	0.20	

**TEST RESULT**

.2% YIELD STRENGTH KSI	TENSILE STRENGTH KSI	ELONGATION %	REDUCTION OF AREA %	HARDNESS BHN	GRAIN SIZE
37	81	61	72	162	5

**Specification :**

MATERIAL CONFORMS TO ASTM A276-00a, A 479-01, A484-00, A282-98 PRACTICE E, RMS 50, ASTM A193-01b B8M CL1, A388-05ED, A162-01a AMS 5648/5653E, ASME SA-182-08ED, SA479-06ED, SA-188-88 B8M C L1, QQ-S-783F, MILL-S-7720A AM2, NACE-MR-01-75-99, UNS#S316 00/S31603, ASTM E 112-98(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 )**

E14023