

C014160

14767

**VIRAJ PROFILES LIMITED**10 IMPERIAL CHAMBERS, 1ST FLOOR  
WILSON ROAD, BALLARD ESTATE,  
MUMBAI 400-038 (INDIA)**TEST CERTIFICATE**

<b>ORDER NO .</b> P-00856	<b>PACKING LIST NO.</b> IMP/19685	<b>INSPECTION NO</b> IMP/19685/5	<b>DATE</b> 08/04/2008
<b>BUNDLE NO .</b> 2008545,2008552,2008565			<b>GRADE</b> 316/316L

**DESCRIPTION :**  
STAINLESS STEEL BRIGHT BARS**ROUGH TURNED**

SIZE (INC)	SHAPE	TOLERANCE	LENGTH (FT)	PIECES	WEIGHT (LBS)
5	ROUND	RT	12' - 14'	5	6225

**CHEMICAL ANALYSIS**

HEAT NO.											
14767											
C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N	Co	
0.029	1.43	0.38	0.022	0.037	10.03	16.17	2.03	0.46	0.064	0.20	

**TEST RESULT**

.2% YIELD STRENGTH KSI	TENSILE STRENGTH KSI	ELONGATION %	REDUCTION OF AREA %	HARDNESS BHN	GRAIN SIZE
38	84	61	73	172	5

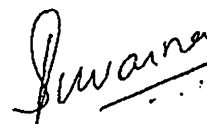
**Specification :**

MATERIAL CONFIRMS TO ASTM A182/A-182M-06,A276-06 COND A, A479/A479M-06a COND A,A193/A193M-06a B8M CL-1,A320/A320M-05a B8M CL-1,A484 06b, A 388/A388M-05.ASME SA182-04,SA479-04, SA 193-04 B8M CL-1, SA320-04 B8M CL-1. IGC SATISFACTORY AS PER ASTM A 262-02a PRACTICE E AMS 5648J,QQ-S 763F,NACE-MR-0175-2002.MIL-S-7720A MIL- S-862B, AISI 316/316L UNS#S31600/S31603. CERTIFICATION AS PER EN 10204-3.1B. EN 10272 COND A, DIN EN 10088-3: 2005: 1.4401/1.4404, EN 10222-5, ASTM A314-2002, AMS 5653F(EXCEPT MARKING)

**Remarks :**

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD WELD REPAIRS, MICRO: FREE FROM CONTINUOUS CARBIDE NETWORK ON GRAIN BOUNDARIES,MACRO:GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C,SOAKING TIME 03 HRS, WATER QUENCHED. COUNTRY OF ORIGIN:INDIA.

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


**WORKS INSPECTOR**

S. SUVARNA