

# VIRAJ PROFILES LIMITED

# VIRAJ<sup>®</sup>

Unit-V  
 Survey NO 114, 119 & 120  
 Village Mahagoan  
 Dist: THANE 401 506  
 MAHARASHTRA, INDIA

82372

CO11422

## TEST CERTIFICATE

<b>ORDER NO</b>	<b>PACKING LIST NO</b>	<b>INSPECTION NO</b>	<b>DATE</b>
P00979	IMP/909315/16	10000437068	17.02.2010
		<b>GRADE</b>	<b>HEAT No</b>
		316/316L	82372

**BUNDLE NO :**  
5167136

### DESCRIPTION

STAINLESS STEEL BRIGHT BARS

### SMOOTH TURNED

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
2 1/8"	ROUND	ASTM A484	12' - 14'	8	1,310.000 LB

### CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0240	1.710	0.500	0.0260	0.0400	16.680	10.100	0.490	2.020	0.210	0.0710

### TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
45.0	90.0	57.0	69.0	175.0	6.0

### SPECIFICATION:

MATERIAL CONFIRMS TO DIN EN 10088-3:2005: 1.4401/1.4404.  
 EN 10222-5 AND EN 10272 COND-A & ASTM A182/A-192M-06, A276-06 COND A, A479/A479M-06a COND A, A193/A193M-06a BIM CL-1, A320/A320M-05a B8M CL-1, A484-06b, A388/A388M-05, ASME SA182-04, SA479-04, SA 193-04 B8M CL-1, SA320-04 B8M CL-1, ASTM A314-2002 IGC SATISFACTORY AS PER ASTM A 262-02a PRACTICE E, AMS 5648J / AMS 5653F (EXCEPT MARKING), QQ-S-763F, NACE-MR0175-2002, SAE-AMS-S-7720A, MIL-S-862 B, AISI 316/316L & UNS#S31600/S31603. CERTIFICATION AS PER EN 10204-3.1.

### 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 050C, SOAKING TIME 01 HRS, WATER QUENCHED. MELT SOURCE: AOD. WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION. COUNTRY OF ORIGIN: INDIA.

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



**WORKS INSPECTOR**  
S. SUVARNA.