

# VIRAJ PROFILES LIMITED

# VIRAJ<sup>®</sup> 2

10 Imperial Chambers, 1st Floor,  
Wilson Road, Mumbai 400 038  
INDIA

3" TR

C011396

## TEST CERTIFICATE

ORDER NO	PACKING LIST NO	INSPECTION NO	DATE
P00998	IMP/913005/17	10000600509	28.05.2010
		GRADE	HEAT No
		316/316L	83377

BUNDLE NO :  
5194789 ,5194791 ,5194790 ,

83377

DESCRIPTION  
STAINLESS STEEL BRIGHT BARS

### SMOOTH TURNED

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
3"	ROUND	ASTM A484	12' - 14'	7	2,174.000 LB

### CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0160	1.740	0.400	0.0250	0.0390	16.850	10.100	0.380	2.000	0.170	0.0765

### TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
43.0	85.0	59.0	71.0	163.0	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-182M-06, A276-06 COND A, A479/A479M-06a COND A, A193/A193M-06a B8M CL-1, A320/A320M-05a BEM 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 564B / 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 CHRS, 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  
K.R.K. MURTHY