

# VIRAJ PROFILES LIMITED



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

**86226** 3" TBR XXS

## TEST CERTIFICATE



PACKING LIST NO	INSPECTION NO	DATE
IMP/926396/12	100001125618	31.05.2011
GRADE	HEAT No	
316/316L	86226	

BUNDLE NO :  
5197169

DESCRIPTION  
STAINLESS STEEL BRIGHT BARS

*CPA-015*

SMOOTH TURNED

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
2 1/2"	ROUND	ASTM A484	12" - 14"	5	1.085.000 LB

### CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0300	1.700	0.400	0.0240	0.0400	16.850	10.030	0.490	2.000	0.170	0.0780

### TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
44.0	91.0	57.0	68.0	183.0	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 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-MRC175-2002 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 1050C. 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.

**COPY**

*K R K MURTHY*  
WORKS INSPECTOR  
K R K MURTHY

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