

# 93813 - 8.5in

C114/109

## VIRAJ PROFILES LIMITED



Regi & Mkt off: G-33 & 34, MIDC, Industrial Area, Tarapur, Thane (Dist), Maharashtra, INDIA - 401506, E-Mail: sales@viraj.com  
 Works: SURVEY No- 114, 119 & 120, VILL. Mahagaon, Tal: Palgar, Dist: Thane-401501, MAHARASTRA, INDIA, viclqc@viraj.com

### TEST CERTIFICATE

ORDER NO	PACKING LIST NO	INSPECTION NO	DATE
PO2606	51/959011/17	100003082361	23.09.2013
		GRADE	HEAT No
		316/316L	93813

**BUNDLE NO :**  
1100064645,

#### DESCRIPTION

STAINLESS STEEL BRIGHT BARS

#### FORGED BARS

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
8 1/2"	ROUND	DIN 1013	12' - 20'	1	2,848.000 LB

#### CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0220	1.630	0.380	0.0230	0.0370	16.720	10.060	0.400	2.020	0.170	0.0720

#### TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
40.0	83.0	61.0	72.0	170.0	5.0

#### 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-11, A276-10 COND A, A479/A479M-11 COND A, A193/A193M-11a B8M CL-1, A320/A320M-11a B8M CL-1, A434-11 A388/A388M-05, ASME SA182-04, SA479-04, SA 193-04 B8M CL-1, SA320-04 B8M CL-1, ASTM A314-2008, IGC SATISFACTORY AS PER ASTM A 262-10 PRACTICE E, AMS 5648J / AMS 5653F (EXCEPT MARKING), QQ-S-763F, NACE MR0103, NACE-MR0175-2003, SAE-AMS-S-7720A, MIL-S-862 B, AISI 316/316L & UNS#S31600/S31603. CERTIFICATION AS PER EN 10294-3.1.

#### 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 03 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  
 K R K MURTHY