

C068378

# VIRAJ PROFILES LIMITED



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Works: SURVEY No- 114, 119 & 120, VILL. Mahagaon, Tal: Paigar, Dist: Thane-401501, MAHARASTRA, INDIA, vielqc@viraj.com

## 87593

### TEST CERTIFICATE

<b>ORDER NO</b>	<b>PACKING LIST NO</b>	<b>INSPECTION NO</b>	<b>DATE</b>
PO1097	51/930956/14	100001303748	07.10.2011
		<b>GRADE</b>	<b>HEAT No</b>
		316/316L	87593

**BUNDLE NO :**  
5139889,

**DESCRIPTION**  
STAINLESS STEEL BRIGHT BARS

#### FORGED BARS

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
11"	ROUND	DIN 1013	12' - 20'	1	3,629.000 LB

#### CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0170	1.740	0.450	0.0200	0.0400	16.670	10.700	0.520	2.050	0.210	0.0750

#### TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
35.0	82.0	60.0	71.0	160.0	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-09, A276-10 COND A, A479/A479M-06a COND A, A193/A193M-10a B8M CL-1, A320/A320M-05a B8M CL-1, A484-10, 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 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