

VIRAJ PROFILES LIMITED

VIRAJ

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, vielqc@viraj.com

C078767

91942. (11")

(85pis)

TEST CERTIFICATE

ORDER NO	PACKING LIST NO	INSPECTION NO	DATE
P02313	51/950023/12	100002398055	14.02.2013
		GRADE	HEAT No
		316/316L	91942

BUNDLE NO :
5193198

DESCRIPTION
STAINLESS STEEL BRIGHT BARS

*OK
with
6/12/13*

FORGED BARS

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
11"	ROUND	DIN 1013	12' - 20'	1	3,748.000 LB

CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0190	1.760	0.520	0.0230	0.0390	16.570	10.050	0.540	2.040	0.140	0.0740

TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
37.0	83.0	59.0	71.0	166.0	5.0

SPECIFICATION:

MATERIAL CONFIRMS TO DIN EN 10088-3:2003: 1.4401/1.4404. EN 10222-5 AND EN 10272 COND-A & ASTM A182/A-182M-11, A176-10 COND A, A479/A479M-11 COND A, A193/A193M-11a B8M CL-1, A320/A320M-11a B8M CL-1, A484-11 A388/A388M-05, ASME SA182-04, SA479-04, SA 193-04 B8M CL-1, SA320-04 B8M CL-1, ASTM A31-2008, IGC SATISFACTORY AS PER ASTM A 262-10 PRACTICE E, AMS 56481 / 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 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: ADD 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.

K R K MURTHY
WORKS INSPECTOR
K R K MURTHY