

078708

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. vielqc@viraj.com

TEST CERTIFICATE

89132.

ORDER NO	PACKING LIST NO	INSPECTION NO	DATE
P01124	51/937351/16	100001642861	04.04.2012
		GRADE	HEAT No
		316/316L	89132

BUNDLE NO :
5196255

DESCRIPTION

STAINLESS STEEL BRIGHT BARS

FORGED BARS

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
13"	ROUND	DIN 1013	12" - 20"	1	6.543.000 LB

CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0240	1.710	0.410	0.0270	0.0360	16.500	10.040	0.430	2.030	0.170	0.0700

TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
36.0	82.0	61.0	72.0	162.0	5.0

SPECIFICATION:

MATERIAL CONFIRMS TO DIN EN 10088-3:2005: 1.4401/1.4404, EN 10222-5 AND EN 10273 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, SA193-04 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