

Unit-V
 Survey NO 110,111,114/1 C-D 116,119 & 120
 Village Mahagoan
 Dist: THANE 401 506
 MAHARASHTRA,INDIA.

E20136

TEST CERTIFICATE

CUSTOMER	ORDER NO	PACKING LIST NO	INSPECTION NO	DATE
	P-00942	IMP/902726/18	100000110115	21.07.2009
			GRADE	HEAT No
			316/316L	80349

BUNDLE NO :
 5110650,

80349

DESCRIPTION
 STAINLESS STEEL BRIGHT BARS

ROUGH TURNED

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
8 1/2"	ROUND	DIN 1013	12' - 14'	1	2,692.000 LB

CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0200	1.880	0.440	0.0210	0.0390	16.700	10.650	0.430	2.030	0.150	0.0950

TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
40.0	84.0	59.0	71.0	163.0	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-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-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 8-1/2 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.

Swarna

WORKS INSPECTOR
 S. SUVARNA.