

VIRAJ PROFILES LIMITED

10 IMPERIAL CHAMBERS, FIRST FLOOR,
WILSON ROAD, BALLARD ESTATE,
MUMBAI 400038 INDIA

TEST CERTIFICATE

CUSTOMER : ORDER NO. P00827 BUNDLE NO. 2051318.2051318
DESCRIPTION : STAINLESS STEEL BRIGHT BARS
GRADE 316/316L
DATE 02/08/2008
INSPECTION NO IMP/102163/17
LIST NO. IMP/102153
PACKING

SMOOTH TURNED

SIZE (INC)	SHAPE	TOLERANCE	LENGTH (FT)	PIECES	WEIGHT (LBS)
3/4	ROUND	ASTM A484	12' - 14'	6	3153

CHEMICAL ANALYSIS

HEAT NO. 85108

C	Mn	SI	S	P	NI	Cr	Mo	Cu	N	Co
0.020	1.78	0.41	0.020	0.037	10.07	16.77	2.04	0.37	0.079	0.15

TEST RESULT

.2% YIELD STRENGTH KSI	TENSILE STRENGTH KSI	ELONGATION %	REDUCTION OF AREA %	HARDNESS BHN	GRAIN SIZE
40	88	60	71	169	6

Specification :

MATERIAL CONFORMS TO ASTM A182/A182M-05/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 5948J, QD-S-763F, NACE-MR0175-2002 MIL-S-7720A M12 M1S1 316/316L UNS#S31600/S31603, CERTIFICATION AS PER EN 10204-3.1, AMS 5653F

Remarks :

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD REPAIRS, MICRO: FREE FROM CONTINUOUS CARBIDE NETWORK ON GRAIN BOUNDARIES, MACRO: GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, SOAKING TIME 2 1/2 HRS, WATER QUENCHED, COUNTRY OF ORIGIN: INDIA, WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION.

We hereby certified that the material described above has been tested and complies with the terms of order/contract.

S.SUVARNA
WORKS INSPECTOR

Suvarna

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