

VIRAJ PROFILES LIMITED

10 Imperial Chambers, 1st Floor,
Wilson Road, Mumbai 400 038
INDIA

VIRAJ 5

C020223

TEST CERTIFICATE

ORDER NO	PACKING LIST NO	INSPECTION NO	DATE
P00998	IMP/920659/18	100000933628	12.01.2011
		GRADE	HEAT No
		316 316L	84014

BUNDLE NO:
5152752, 5152751, 5152750,

84014

DESCRIPTION

STAINLESS STEEL BRIGHT BARS

SMOOTH TURNED

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
3 3/4"	ROUND	ASIM A484	12' - 14'	6	2,853,000 LB

CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0270	1.750	0.450	0.0250	0.0400	16.680	10.100	0.470	2.020	0.130	0.0800

TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
43.0	88.0	57.0	70.0	180.0	6.0

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 A320 IGC SATISFACTORY AS PER ASTM A 262-02a PRACTICE E, AMS 56481 / 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 01 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.

WORKS INSPECTOR
K R K MURTHY