

88558

C054643

VIRAJ PROFILES LIMITED

VIRAJ[®]

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Works: SURVEY No- 114, 119 & 120, VILL. Mahagaon, Tal: Palgar, Dist: Thane-401501, MAHARASTRA, INDIA, vielqc@viraj.com

3" TBR 40

TEST CERTIFICATE

ORDER NO	PACKING LIST NO	INSPECTION NO	DATE
	51/934772/11	100001501880	29.01.2012
		GRADE	HEAT No
		316/316L	88558 <i>JK</i>

BUNDLE NO :
5175099 , 5175100 , 5175101 , 5175102 , 5175103 .

DESCRIPTION
STAINLESS STEEL BRIGHT BARS

SMOOTH TURNED

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
3 1/4"	ROUND	ASTM A484	12' - 14'	15	5,449,000 LB

CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0230	1.730	0.410	0.0200	0.0350	16.940	10.090	0.450	2.050	0.190	0.0700

TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
43.0	90.0	56.0	70.0	179.0	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-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, 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 5648 / 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 101 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.

K R K MURTHY
WORKS INSPECTOR
K R K MURTHY