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

**TEST CERTIFICATE**

<b>ORDER NO</b>	<b>PACKING LIST NO</b>	<b>INSPECTION NO</b>	<b>DATE</b>
P01084	51/931087/11	100001308331	11.10.2011
		<b>GRADE</b>	<b>HEAT No</b>
		316/316L	87719

**BUNDLE NO :**  
5140770 ,

**DESCRIPTION**  
STAINLESS STEEL BRIGHT BARS

**FORGED BARS**

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
9"	ROUND	DIN 1013	12' - 20'	1	2,659.080 LB

**CHEMICAL ANALYSIS**

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0170	1.720	0.420	0.0200	0.0390	16.700	10.620	0.420	2.020	0.190	0.0740

**TEST RESULTS**

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
36.0	83.0	60.0	73.0	160.0	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-09, A276-10 CONDA, A379/A479M-06a CONDA, 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 5648F / 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.

*(Signature)*  
WORKS INSPECTOR  
K R K MURTHY