

CO72836

VIRAJ PROFILES LIMITED



Regd & Mkt off: G-33 & 34, MIDC, Industrial Area, Tarapur, Thane District, Maharashtra (INDIA) - 401506, E-Mail: sales@viraj.com
Works: SURVEY No- 114, 119 & 120, VILL: Mahagun, Tal: Patgaon Dist: Thane-401501, MAHARASHTRA, INDIA. Website@viraj.com

ASA PO 77643 WO 5851 CPA 6 FOE 40 (22 pcs)

TEST CERTIFICATE

ORDER NO	PACKING LIST NO	INSPECTION NO	DATE
PO1105	51/933083/11	100001411912	10.12.2011
	80841	GRADE 316/316L ✓	HEAT No 80841

BUNDLE NO :
5160720

DESCRIPTION
STAINLESS STEEL BRIGHT BARS

*ok with
2/6/13*

FORGED BARS

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
9" ✓	ROUND	DIN 1013	12' - 20'	1	2,833.000 LB

CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0240	1.710	0.480	0.0200	0.0350	16.720	10.680	0.470	2.040	0.130	0.0770

TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
36.0	85.0	59.0	71.0	168.0	5.0

SPECIFICATION:

MATERIAL CONFIRMS TO DIN EN 10038-3:2003: 1.4401/1.4404, EN 10221-5 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 B3M CL-1, A-84-10, A388/A388M-05, ASME SA182-04, SA479-04, SA 193-04 B8M CL-1, SA320-04 B3M CL-1, ASTM A314-2002 IGC SATISFACTORY AS PER ASTM A 262-02a PRACTICE E, AMS 5643J / AMS 5653F (EXCEPT MARKING) QQ-S-761F / NACE-MR0175-2003, SAE-AMS-S-7720A, MIL-S-882 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 05 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.

SV

[Signature]
WORKS INSPECTOR