

82470

# VIRAJ PROFILES LIMITED



Unit: V  
Survey NO 114, 119 & 120  
Village Mahagaon  
Dist: THANE JUI 506  
MAHARASHTRA, INDIA

## TEST CERTIFICATE

**CUSTOMER**  
FIDELITY STAINLESS LTD.  
2213 NORTH SHERIDAN WAY  
MISSISSAUGA, ON L5K 1A3  
CANADA.

**ORDER NO**  
P00979

**PACKING LIST NO**  
IMP:909803/12

**INSPECTION NO**  
100000459223

**DATE**  
28.02.2010

**GRADE**  
316L316L

**HEAT NO**  
82470

**BUNDLE NO :**  
5171598

82470

**DESCRIPTION**  
STAINLESS STEEL BRIGHT BARS

ROUGH TURNED

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
8 1/2"	ROUND	DIN 1013	12 - 11'	1	3,060.000 LB

### CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0200	1.830	0.500	0.0230	0.0400	16.740	10.600	0.490	2.020	0.160	0.0860

### TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness DIN	Grain Size NOS
43.0	90.0	58.0	67.0	167.0	5.0

### SPECIFICATION:

MATERIAL CONFORMS TO DIN EN 10088-3:2005 + A46:21,404,  
EN 10222-5 AND EN 10272 CONFORMS TO ASTM A182/A-182M 06, A276 06 CONFORMS TO ASTM A479M-06 CONFORMS TO ASTM A193M-06L B6M CL-1 A276 A321M-05  
CL-1 A479M-06, A321M-05, A321M-05, A321M-05, SA 479-04, SA 193-04 B6M CL-1, SA 276-06 B6M CL-1, ASTM A193-2002, JCC SATISFACTORY AS PER ASTM A  
276-05 PRACTICE E, ANS S-187 AMS 5653P (ENCHIT MARKING), QQ-S-783F NACE-MR0175-2002, SAE-AMS-S-7720A, MIL-S-92 B,  
AMS 19316, A UN38531660S2.605, 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: 950°C, SOAKING TIME: 01 HRS, WATER QUENCHED  
MFLT SOURCE: CD, 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  
S. SUVARNA.