

H = 64854

**VIRAJ IMPOEXPO LIMITED**

H TBR

10, IMPERIAL CHAMBERS, 1ST FLOOR  
VILSON ROAD, BALLARD ESTATE  
MUMBAI - 400 038 INDIA

**TEST CERTIFICATE**

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

**ORDER NO.**  
P50164  
  
**BUNDLE NO.**  
102834, 102853, 102856, 102873

**PACKING LIST NO.**  
IMP/12445  
**INSPECTION NO**  
IMP/12445/4

**DATE**  
26/12/2003

**GRADE**  
316/316L

**DESCRIPTION:**  
STAINLESS STEEL BRIGHT BARS

C - 54361136  
4 - 64854  
P - 631248

**ROUGH TURNED**

SIZE (INC)	SHAPE	TOLERANCE	LENGTH (FT)	PIECES	WEIGHT (LBS)
4	ROUND	RT	12' - 14'	9	5468

**CHEMICAL ANALYSIS**

HEAT NO. 64854

C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N	Co
0.025	1.42	0.46	0.028	0.036	10.04	16.54	2.08	0.48	0.046	0.13

**TEST RESULT**

.2% YIELD STRENGTH KSI	TENSILE STRENGTH KSI	ELONGATION %	REDUCTION OF AREA %	HARDNESS BHN	GRAIN SIZE
37	79	63	74	153	5

**Specification :**

MATERIAL CONFIRMS TO ASTM A276-00a, A 479-01, A484-00, A262-98 PRACTICE E, RMS 50, ASTM A193-01b B8M CL1, A388-95ED, A182-01a AMS 5848J/5853E, ASME SA-182-98ED, SA479-98ED, SA-193-98 B8M C L1, QQ-S-763F, MILL-S-7720A AM2., NACE-MR-01-75-98, UNS#S316 00/S31603, ASTM E 112-88(GRAIN SIZE), CERTIFICATION AS PER EN 10204-3.1B.

**Remarks :**

MATERIAL IS FREE MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS, MICRO:FREE FROM CONTINUOUS CARBIDE NETWORK ON GRAIN BOUNDARIES, MACRO:GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, WATER QUENCHED.

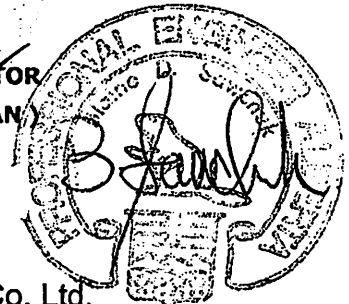
We hereby certified that the material described above has been tested and complies with the terms of order/contract.

**CORUS APPROVED**

-02- 1 6 2004

BY: 

**WORKS INSPECTOR**  
( T.M. KRISHNAN )



Canada Pipeline Accessories Co. Ltd.  
Flow Conditioners having Heat # 64854  
Are inscribed with Ht# 69854