

**VIRAJ PROFILES LIMITED**

10 IMPERIAL CHAMBERS, FIRST FLOOR,  
WILSON ROAD, BALLARD ESTATE,  
MUMBAI 400038 INDIA

79167

E18006

**INSPECTION CERTIFICATE****CUSTOMER :**

ASA ALLOYS EDMONTON  
20 CHALANGER CRES,  
SHERWOOD PARK, EDMONTON  
ALBERTA, CANADA, T8H 2R1

**ORDER NO .**

PQ16666

**PACKING LIST NO.**

IMP/101389

**INSPECTION NO**

IMP/101389/3

**DATE**

05/12/2008

**BUNDLE NO .**

2037853,2037854,2037859

**GRADE**

316/316L

**DESCRIPTION :**

STAINLESS STEEL ROUND BARS L/C NO.: I700373 DT.: 29/01/09

**PEELED & POLISHED**

SIZE (INC)	SHAPE	TOLERANCE	LENGTH (FT)	PIECES	WEIGHT (LBS)
2 1/4	ROUND	ASTM A484	18' R/L	21	5747

**CHEMICAL ANALYSIS**

HEAT NO. 79167

C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N	Co
0.026	1.45	0.45	0.023	0.038	10.08	16.35	2.05	0.50	0.067	0.15

**TEST RESULT**

.2% YIELD STRENGTH KSI	TENSILE STRENGTH KSI	ELONGATION %	REDUCTION OF AREA %	HARDNESS BHN	GRAIN SIZE
46	91	57	70	175	6

**Specification :**

MATERIAL CONFIRMS TO ASTM A278-06, A193/A193M-05 B8MCL1, A182/A182M-2006, A479/A479M-06a, ASME SA182-97, SA193-88 B8MCL1, SA479-97, QCS-763F, AMS 5648J/5653E, NACE MR01-75 - 03. TEST SPECIMENS AS PER ASTM A370-05. I.G.C. SATISFACTORY AS PER ASTM A262 PRACTICE E CERTIFIED AS PER 10204-3.1

**Remarks :**

MATERIAL IS FREE FROM MERCURY CONTAMINATION FREE FROM WELD OR WELD REPAIR. MICRO STRUCTURE : FREE FROM CONTINUOUS CARBIDE NETWORK. MACRO STRUCTURE : GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, SOAKING TIME 1hr/inch, WATER QUENCHED, COUNTRY OF ORIGIN INDIA

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

*f*  
WORKS INSPECTOR