

verified by ThyssenKrupp Materials NA, Anna Riggs
 Quantity: 1 PC
 Cust PO#: 73084
 Customer: NEXXA INDUSTRIES LTD.

Anna C. Riggs 77232

(1 of 1)
 2008-11-24
 Shipper#: UA2743
 Cust Part#:

MILL TEST REPORT

TA CHEN INTERNATIONAL CORPORATION
 www.tachen.com

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MTR#: VJRB10005615 Customer#: COPDET PO#: C01048 SO#: CK6262
 Item#: RB6L0348 Bundle#: VJ2014082 Heat#: 77232

VIRAJ IMPOEXPO

(A DIVISION OF VIRAJ PROFILES LTD)
 10 IMPERIAL CHAMBERS, 1ST FLOOR,
 WILSON ROAD BALLARD ESTATE
 MUMBAI 400038-INDIA

TEST CERTIFICATE

CUSTOMER:

VIRAJ USA INC.
 282 WEST, 38TH ST. # 1103
 NEW YORK, NY 10018

ORDER NO.
 L23998

BUNDLE NO.
 2014082

PACKING LIST NO.
 IMP/100058

INSPECTION NO
 IMP/100056/15

DATE
 26/05/2008

GRADE
 T-316/316L

DESCRIPTION :
 STAINLESS STEEL BRIGHT BARS

PEELED & POLISHED

SIZE (INC)	SHAPE	TOLERANCE	LENGTH (FT)	PIECES	WEIGHT (LBS)
3 3/4	ROUND	ASTM A484	12' - 14'	5	2447

CHEMICAL ANALYSIS

HEAT NO.											
C	Mn	SI	S	P	NI	Cr	Mo	Cu	N	Co	
0.023	1.70	0.45	0.026	0.036	10.08	16.12	2.05	0.42	0.072	0.20	

TEST RESULT

.2% YIELD STRENGTH KSI	TENSILE STRENGTH KSI	ELONGATION %	REDUCTION OF AREA %	HARDNESS BHN	GRAIN SIZE
38	82	58	73	173	6

Specification :

MATERIAL CONFIRMS TO ASTM A276-08 COND A, A479/A479M-08 CON A, A193/A193M-08 B8M CL1, A320/A320M-08 B8M CL1 ASME SA 182-98 (CHEMISTRY ONL
 ASME SA 479-98 COND A, SA193-98 B8M CL1 SA 320-98 B8M CL1, AMS QQ-G-783B-08 COND A (EXCEPT MARKING), AMS 5646J AMS 5653F (EXCEPT MARKING), UNS
 31600/31603 ASTM A182/A182M-08 (CHEMISTRY ONLY) NACE-MR-0175, GRAIN SIZE AS PER ASTM E 112-98a1 IMPROVED MACHINABILITY
 QUALITY INTERGRANULAR CORROSION TEST PASSED IN ACCORDANCE WITH ASTM A262-02a PRACTICE E. CERTIFICATE AS PER EN 10204-3 1b

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 1hr/min, WATER QUENCHED, MELT SOURCE AUC MET 1 & MANUFACTURED INDIA

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

Suvarna

WORKS INSPECTOR

S. SUVARNA