

# encore metals

## CERTIFICATE OF TEST

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Certification Date  
17-FEB-2010

ENCORE METALS CANADA  
7805 - 51ST STREET S.E.  
CALGARY AB T2C 2Z3

Invoice Number  
S103764

CUSTOMER ORDER NUMBER

DARKO

CUSTOMER PART NUMBER

5TX4  
4" TBR.

SOLD TO: ATLANTIS INDUSTRIES INC. SHIP TO: ATLANTIS INDUSTRIES INC.  
6710 - 30 ST. S.E. 6710 - 30 ST. S.E.  
CALGARY AB T2C 1N9 CALGARY AB T2C 1N9

Description: 316/316L CF BAR SMOOTH TURNED ASTM A276/  
4 RD 11'3.0" (135.0") REMNANT Line Total: 481.1 LB  
HEAT: 5TX4 ITEM: 550024

Specifications:  
ASTM A276 08A  
ASTM A484 ROUGH TURN  
EN 10240 3.1B  
MIL S 862 B  
F M A320 CL 1 B8M 08  
ASME AS 193 CL 1 B8M 04  
SAE AMS 5653 F  
ASTM A479 08  
UNS S 31600  
QQS 763 F  
MIL S 7720 CHEM ONLY  
ASMES A 182 CHEM ONO 04  
ASTM A193 CL 1 B8M 08B  
NACE MR 01-75  
ASME SA479 04  
UNS S 31603  
SAE AMS 5648 K  
ASTMA 182 CHEM ONLY 08A  
ASME SA 320 CL 1 B8M 04  
ASTM A314 CHEM ONLY 08

### CHEMICAL ANALYSIS

AL	C	CB	CO	CR	CU	MN	MO
0.0035	0.0156	0.0525	0.294	16.7285	0.3835	1.2725	2.06
N	NI	P	S	SI	TI		
0.0472	10.65	0.029	0.022	0.2635	0.0025		

RCPT: R101195

COUNTRY OF ORIGIN : USA

### MECHANICAL PROPERTIES

DESCRIPTION	YLD STR KSI	ULT TEN KSI	%ELONG IN 02 IN	%RED IN AREA	HARDNESS BHN
	49.0	89.0	47.0	65.0	177

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination.

We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes.

Material did not come in contact with mercury while in our possession.

PURCHASING MANAGER

