

CERTIFICATE OF TEST

Page 01 of 02

Certification Date
15-JUL-2014

255321

CUSTOMER ORDER NUMBER

325

ENCORE METALS DIVISION OF RMCL
7805 - 51ST STREET S.E.
CALGARY AB T2C 2Z3

Invoice Number
T127755

CUSTOMER PART NUMBER

526870

SOLD TO: TECHNOWERX INC
4788 50 AVENUE SE
CALGARY AB T2B 3R4

SHIP TO: TECHNOWERX INC
4788 50 AVENUE SE
CALGARY AB T2B 3

Description: 316/316L HRAP BAR
3/4 X 2-1/2 FLAT S/C 2'8.0" (32.0")
HEAT: 255321 ITEM: 526870

ASTM A479
Line Total: 17.016 LB

Specifications:

ASTM A479 11	ASTM A276 10	ASME SA479 10
QQ S 763 F	AMS 5648 K	AMS 5653 F
AMS-QQ-S-763 B	ASME SA182 10	ASME SA193 CL1 B8 10
ASME SA276 10	ASME SA320 CL1 B8 10	ASTM A182 11A
ASTM A193 CL1 B8 11A	ASTM A262 PRACT E 10	ASTM A314 08
ASTM A320 CL1 B8 11	ASTM A370 11A	ASTM A473 (CHEM ONLY 01
MIL-S-862 B	NACE MR0175 09	

CHEMICAL ANALYSIS

C	SI	MN	CR	MO	CU	NI	CO
0.017	0.45	1.40	16.72	2.03	0.52	10.01	0.12
P	S	N					
0.031	0.026	0.086					

RCPT: R391096

COUNTRY OF ORIGIN : ITALY

MECHANICAL PROPERTIES

DESCRIPTION	YLD STR KSI	ULT TEN KSI	%ELONG IN 02 IN	%RED IN AREA	HARDNESS BHN
	48.0	91.0	52.0	73.0	185

GRAIN SIZE :6 -

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

CERTIFICATE OF TEST

Page 02 of 02

Certification Date
15-JUL-2014

CUSTOMER ORDER NUMBER

325

ENCORE METALS DIVISION OF RMCL
7805 - 51ST STREET S.E.
CALGARY AB T2C 2Z3

Invoice Number
T127755

CUSTOMER PART NUMBER

526870

SOLD TO: TECHNOWERX INC
4788 50 AVENUE SE
CALGARY AB T2B 3R4

SHIP TO: TECHNOWERX INC
4788 50 AVENUE SE
CALGARY AB T2B 3

Description: 316/316L HRAP BAR
3/4 X 2-1/2 FLAT S/C 2'8.0" (32.0")
HEAT: 255321 ITEM: 526870

ASTM A479
Line Total: 17.016 LB

MATERIAL IS FREE FROM MERCURY CONTAMINATION
NO WELD REPAIR PERFORMED ON MATERIAL
THERMAL TREATMENT: OK
ANNEALING TEMP: 1940F FOR 1 HR, WATER QUENCHED
CORROSION: OK
MACRO: OK
MICRO1: OK

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