

## CERTIFICATE OF TEST

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Certification Date  
19-JAN-2018

### HT#22891411

CUSTOMER ORDER NUMBER

2018-842

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

Invoice Number  
S211511

CUSTOMER PART NUMBER

SOLD TO: M2M MACHINING

SHIP TO:

M2M MACHINING

BAY 15, 4216 64 AVENUE SE  
CALGARY AB T2C 2B3

BAY 15, 4216 64 AVENUE SE  
CALGARY AB T2C 2

Description: 6061-T6511 EXTRUDED BAR AMS QQ-A-200/8  
1-1/4 RD X 12'

Line Total: 12 FT

HEAT: 22891411

ITEM: 513156

Specifications:

QQ A 200/8  
ASME SB221 09  
MEETS 6061 T6511H

ASTM B221 14  
UNS# A96061 REV  
6061 T6511 REV

AMS QQ A 200/8 A  
SAE J454 REV

### ALUMINIUM CHEMICAL ANALYSIS

DESCRIPTION:

	SI	FE	CU	MN	MG	CR	ZN	TI
MIN	0.4		0.15		0.8	0.04		
MAX	0.8	0.7	0.4	0.15	1.2	0.35	0.25	0.15

OTHERS :	EACH	TOTAL	AL	REMAINDER
	0.05	0.15		

RCPT: R143569

COUNTRY OF ORIGIN : USA

### MECHANICAL PROPERTIES

DESCRIPTION	YLD STR KSI	ULT TEN KSI	%ELONG IN 02 IN	%RED IN AREA	HARDNESS
	38.9	43.4	15.0		
	43.1	47.2	18.0		

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.

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

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.

PURCHASING MANAGER