

# Australian Model Rocket Society Inc.

PO Box 1233, Browns Plains, QLD 4118

[www.rocketry.org.au](http://www.rocketry.org.au)

ARBN 165 666 357

Southern Cross Rocketry  
PO Box 84  
Browns Plains, QLD 4118

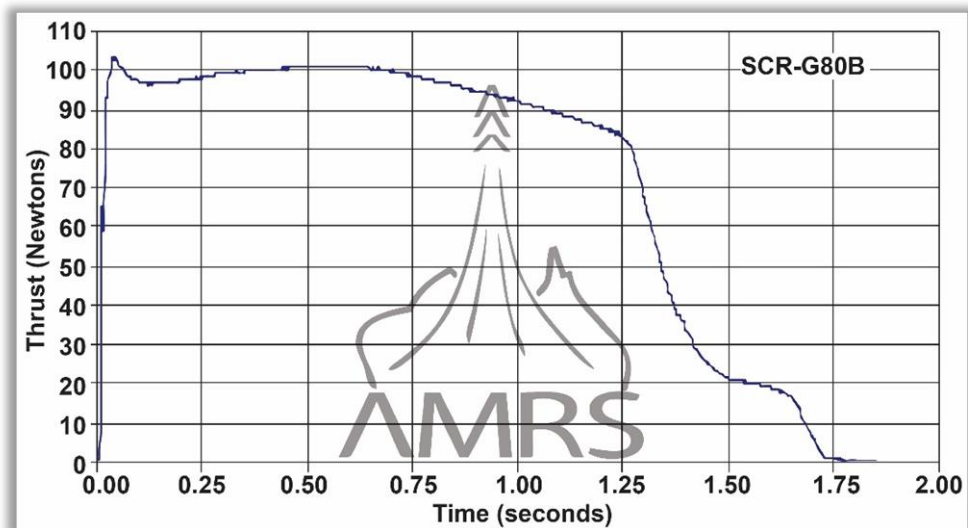
03/07/2017

## RE: ROCKET MOTOR CERTIFICATION – SCR-G80B

Dear Mr Nikolic,

The Southern Cross Rocketry **SCR-G80B** rocket motor was tested on 22 June 2017 and is in compliance with the certification requirements and standards of the Australian Model Rocket Society Inc. (AMRS). The motor is hereby certified for hobby rocketry use.

<b>Manufacturer</b>	Southern Cross Rocketry	<b>Test Date</b>	22/06/2017
<b>AMRS Designation</b>	SCR-G80B	<b>Loaded Weight</b>	129.3 grams
<b>Manufacture Designation</b>	SCR-G80B	<b>Propellant Weight</b>	62.5 grams
<b>Motor Type</b>	Single Use	<b>Burnout Weight</b>	59.3 grams
<b>Propellant Type</b>	Nitro Blue	<b>Total Impulse</b>	136.7Ns
<b>Casing Dimensions</b>	29mm x 124mm	<b>Maximum Thrust</b>	108.5N
<b>Delays Tested</b>	14 (Adjustable)	<b>Average Thrust</b>	77.6N
<b>Notes</b>	70.1% G	<b>Burn Time</b>	1.70 seconds



Yours sincerely,

Dave Couzens  
Chancellor  
Australian Model Rocket Society Inc.