

Tripoli Rocketry Association, Inc.
 Tripoli Motor Testing
 c/o PME Assay Labs
 2138 Kleppe Lane, Sparks, NV 89431
 (775) 358-8886 and (408) 255-1863

Tripoli Motor Testing

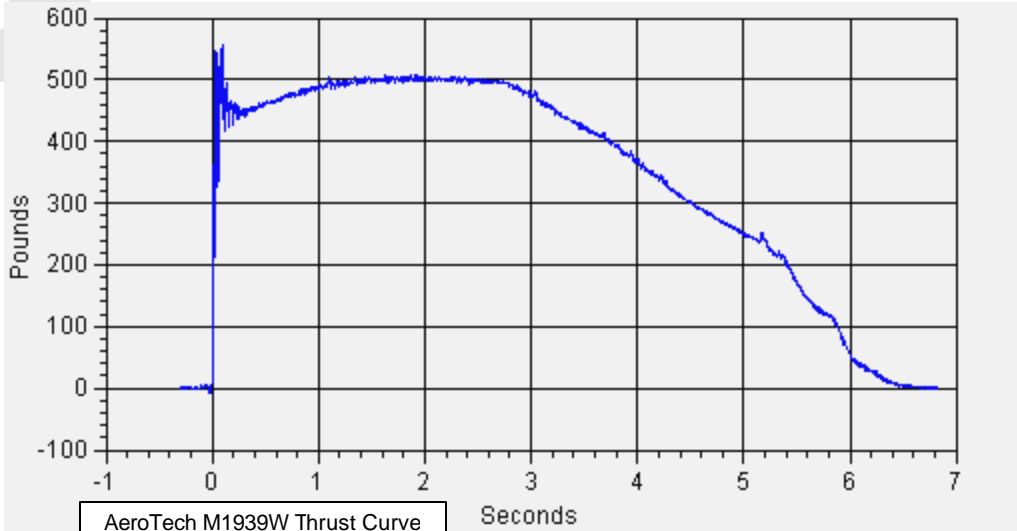
December 31, 1998

Gary Rosenfield
 AeroTech, Inc.
 1955 S. Palm Street, Suite 15
 Las Vegas, NV 89104

Dear Mr. Rosenfield:

The AeroTech M1939W rocket motor was tested on 18 Apr 98 and is in compliance with NFPA 1125 and NFPA 1127. The motor is certified until 1 Jun 2003 for hobby rocketry use by the members of the Tripoli Rocketry Association and the National Association of Rocketry.

Motor Manufacturer:	AeroTech	Test Date:	04/18/98
Motor Designation:	M1939W-Plug	Samples per Second:	480
TMT Metric Designation:	N1691W-Plug (2% N)	Burntime Evaluation (%):	5
SU Dimensions (in):	3.858X28.813	Calculated Burntime (s):	6.2
Metric Dimensions (mm):	98X732	Total Impulse:	2355.4#s (10481.5Ns)
Propellant Weight:	12.625# (5719.1g)	Maximum Thrust:	546.0# (2429.7N)
Nozzle Throat Diameter (in):	.844	Average Thrust:	380.2# (1691.9N)
Nozzle Exit Cone Diameter (in):	1.580	Specific Impulse:	186.6
Certified Until:	06/01/03		



AeroTech M1939W Thrust Curve
 Test Date: 18 Apr 98

Sincerely,

Sue McMurray
 Tripoli Motor Testing Chair