

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

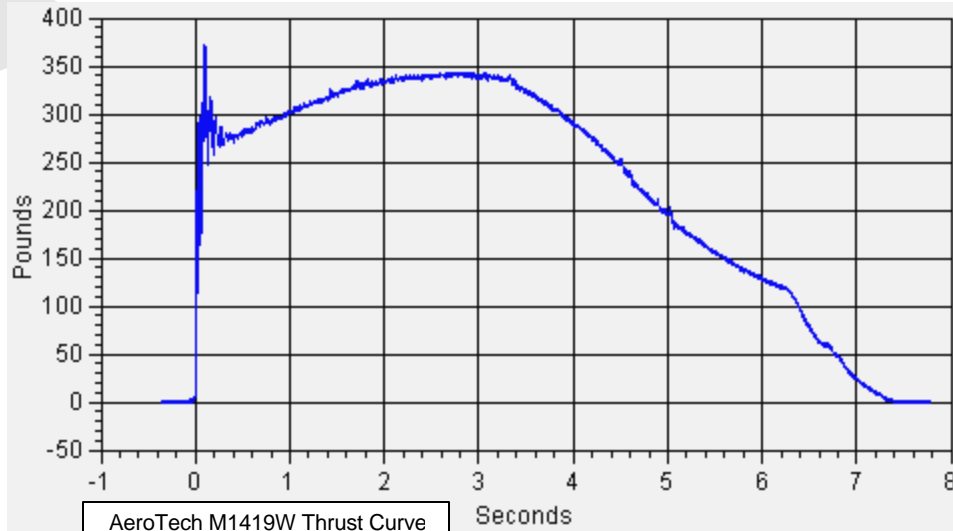
December 31, 1998

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

Dear Mr. Rosenfield:

The AeroTech M1419W 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:	M1419W-Plug	Samples per Second:	480
TMT Metric Designation:	M1095W-Plug (51% M)	Burntime Evaluation (%):	5
SU Dimensions (in):	3.858X22.813	Calculated Burntime (s):	7.1
Metric Dimensions (mm):	98X579	Total Impulse:	1742.8#s (7755.5Ns)
Propellant Weight:	9.00# (4077.0g)	Maximum Thrust:	357.5# (1590.9N)
Nozzle Throat Diameter (in):	.734	Average Thrust:	246.3# (1096.0N)
Nozzle Exit Cone Diameter (in):	1.40	Specific Impulse:	193.6
Certified Until:	06/01/03		



AeroTech M1419W Thrust Curve
 Test Date: 18 Apr 98

Sincerely,

Sue McMurray
 Tripoli Motor Testing Chair