

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

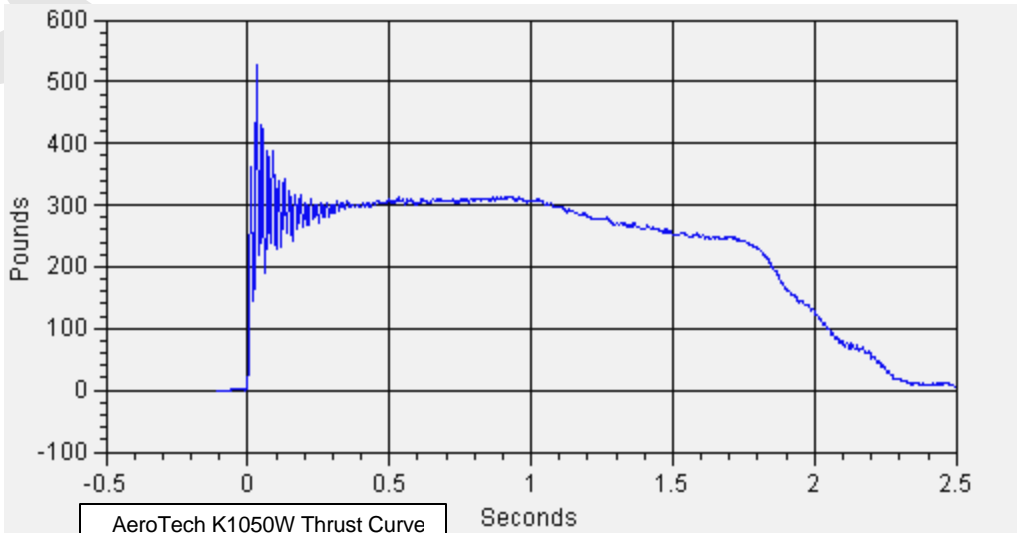
December 31, 1998

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

Dear Mr. Rosenfield:

The AeroTech K1050W 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 2001 for hobby rocketry use by the members of the Tripoli Rocketry Association and the National Association of Rocketry.

<b>Motor Manufacturer:</b>	AeroTech	<b>Test Date:</b>	04/18/98
<b>Motor Designation:</b>	K1050W-Plug	<b>Samples per Second:</b>	480
<b>TMT Metric Designation:</b>	K1113W-P (97% K)	<b>Burntime Evaluation (%):</b>	5
<b>SU Dimensions (in):</b>	2.125X26.625	<b>Calculated Burntime (s):</b>	2.3
<b>Metric Dimensions (mm):</b>	54X676	<b>Total Impulse:</b>	568.6#s (2530.3Ns)
<b>Propellant Weight:</b>	3.007# (1362.2g)	<b>Maximum Thrust:</b>	486.4# (2164.5N)
<b>Nozzle Throat Diameter (in):</b>	Medusa, 1 Center=.28	<b>Average Thrust:</b>	250.2# (1113.4N)
<b>Nozzle Exit Cone Diameter (in):</b>	Medusa, 6 Outer=.225	<b>Specific Impulse:</b>	189.1
<b>Certified Until:</b>	06/01/01		



AeroTech K1050W Thrust Curve  
 Test Date: 18 Apr 98

Sincerely,

Sue McMurray  
 Tripoli Motor Testing Chair