

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

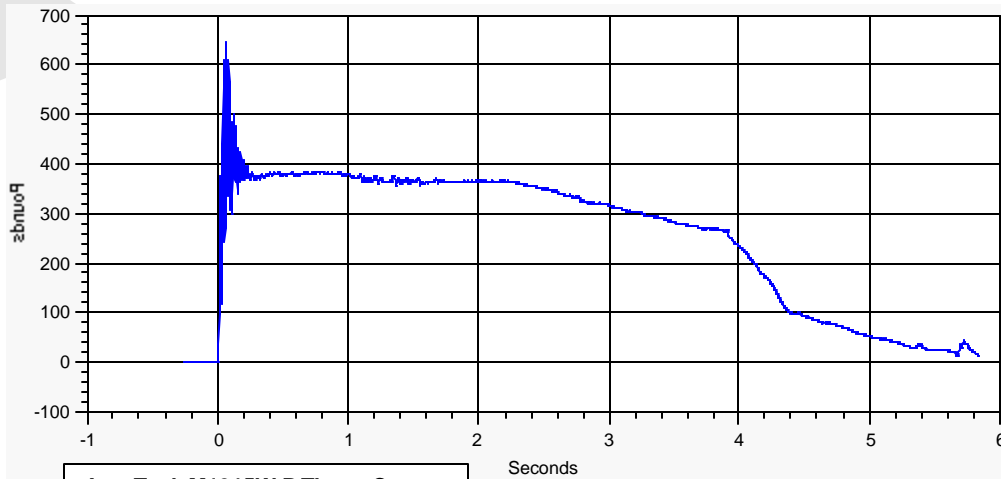
November 2, 1999

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

Dear Mr. Rosenfield:

The AeroTech M1315W-P rocket motor was tested on 23 Oct 99 and is in compliance with NFPA 1125 and NFPA 1127. The motor is certified until 31 Dec 2004 for hobby rocketry use by the members of the Tripoli Rocketry Association and the National Association of Rocketry.

Motor Manufacturer:	AeroTech	Test Date:	10/23/99
Motor Designation:	M1315W-Plug	Samples per Second:	480
TMT Metric Designation:	M1248W-P (31% M)	Burntime Evaluation (%):	5
SU Dimensions (in):	2.965X31.52	Calculated Burntime (s):	5.4
Metric Dimensions (mm):	75X801	Total Impulse:	1508.7#s (6713.5Ns)
Propellant Weight:	7.725# (3499.4g)	Maximum Thrust:	530.9# (2362.5N)
Nozzle Throat Diameter (in):	Medusa, 1 Center=.350	Average Thrust:	280.5# (1248.0N)
Nozzle Exit Cone Diameter (in):	Medusa, 6 Outer=.280	Specific Impulse:	195.3
Certified Until:	12/31/04		



AeroTech M1315W-P Thrust Curve
Test Date: 23 Oct 99

Sincerely,

Sue McMurray
 Tripoli Motor Testing Chair