



Tripoli Rocketry Association, Inc.
 Tripoli Motor Testing
 4443 E. Tanglewood Dr.
 Phoenix, AZ 85048
 602-625-2199

May 20, 2005

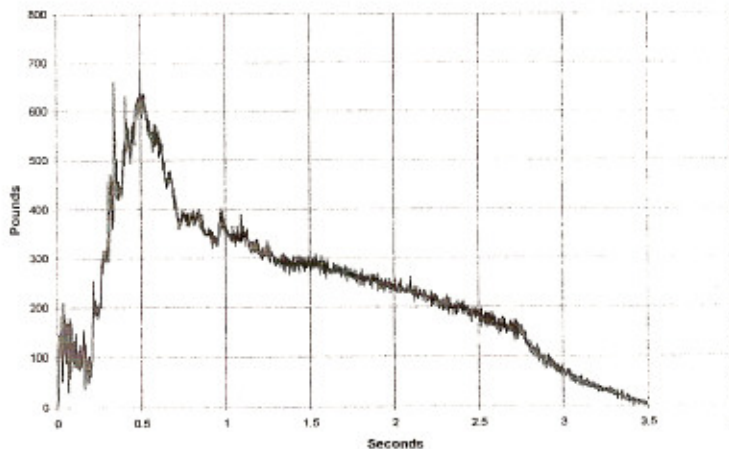
Mr. Thomas Sanders
 49 North Blvd., Suite #2
 Lake Havasu City, AZ 86403

Dear Mr. Sanders,

The Contrail Rockets L1222SM rocket motor was tested on 24 Apr 2005 and is in compliance with the NFPA 1125. The motor is certified indefinitely (Review due, Jun 2010) for hobby rocketry use by the members of the Tripoli Rocketry Association and any associations holding a reciprocal certification agreement.

Motor Manufacture	Contrail Rockets	Test Date	24 Apr 05
Motor Designation	L1222SM-P	Certified Until	Indefinitely
TMT Metric Designation	L1173(43%)	Samples per Second	480
Metric Dimensions	76 x 1371MM	Burn Time	3.1 seconds
Total Weight	4989g	Total Impulse	3682 NS
Recovery Weight	4649g	Maximum Thrust	2932 N
Propellant Weight	786g	Average Thrust	1173 N
Nitrous Oxide Volume	3200cc		

Contrail Rocketry L1222SM-P



Sincerely,

H. Paul Holmes
 H. Paul Holmes
 Tripoli Motor Testing Chair

plh