



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

June 8, 2005

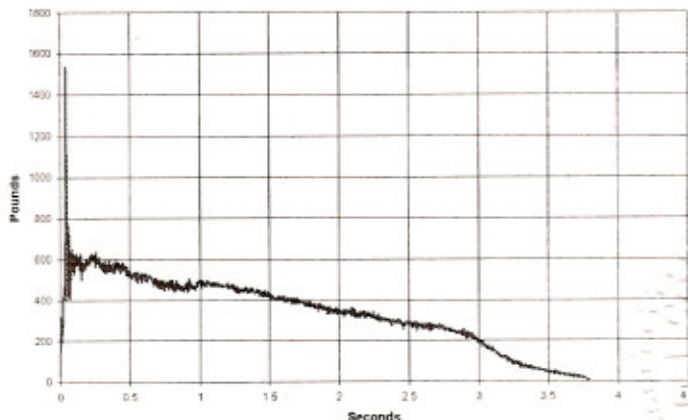
Mr. Thomas Sanders
49 North Blvd., Suite #2
Lake Havasu City, AZ 86403

Dear Mr. Sanders,

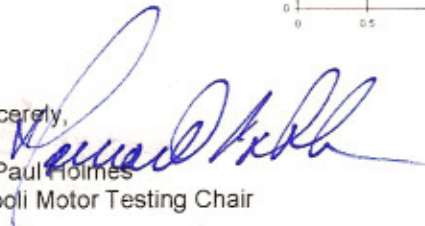
The Conrail Rockets M1491BM rocket motor was tested on 22 May 2005 and is in compliance with the NFPA 1125. The motor is certified indefinitely (Review due, Jun 2010) for hobby rocketry use by the members of the Tripoli Rocketry Association and any associations holding a reciprocal certification agreement.

Motor Manufacture	Conrail Rockets	Test Date	22 May 05
Motor Designation	M1491BM-P	Certified Until	Indefinitely
TMT Metric Designation	M1673(10%)	Samples per Second	480
Metric Dimensions	76 x 1372MM	Burn Time	3.35 seconds
Total Weight	4876g	Total Impulse	5675.6 NS
Recovery Weight	4740g	Maximum Thrust	5705.6 N
Fuel Grain Weight	664g	Average Thrust	1693 N
Nitrous Oxide Volume	3200cc		

Conrail Rocketry M1491BM



Sincerely,


H. Paul Holmes
Tripoli Motor Testing Chair

plh