

Tripoli Rocketry Association, Inc. Tripoli Motor Testing 1600 Amelia CT, Apt 1024 Plano, TX 75075 602-625-2199

January 22, 2007

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

Dear Mr. Sanders,

The Contrail Rockets I333PVC rocket motor was tested on 5-6 November 2005 and is in compliance with the NFPA 1125. The motor is certified indefinitely (Review due, Dec 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	5-6 Nov 05
Motor Designation	I333PVC	Certified Until	Indefinitely
TMT Metric Designation	1329 (73%)	Samples per Second	480
Metric Dimensions	38 X 922 MM	Burn Time	1.7 seconds
Total Weight	929 g	Total Impulse	556 NS
Recovery Weight	861 g	Maximum Thrust	853 N
Fuel Grain Weight	184 g	Average Thrust	329 N
Nitrous Oxide Volume	460 cc	C C	

250 200 150 Pounds 100 ju Ad Property and 50 0 0 0.2 0.4 0.6 0.8 1.2 1.4 1.6 1.8 2 1 Seconds

CR I333PVC

Sincerely,

H. Paul Holmes Tripoli Motor Testing Chair