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 1, 1999

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

Dear Mr. Rosenfield:

The AeroTech I284W-SMLXL rocket motor was tested on 17 Oct 99 and is in compliance with NFPA 1125 and NFPA 1127. The motor is certified until 31 Dec 2002 for hobby rocketry use by the members of the Tripoli Rocketry Association and the National Association of Rocketry.

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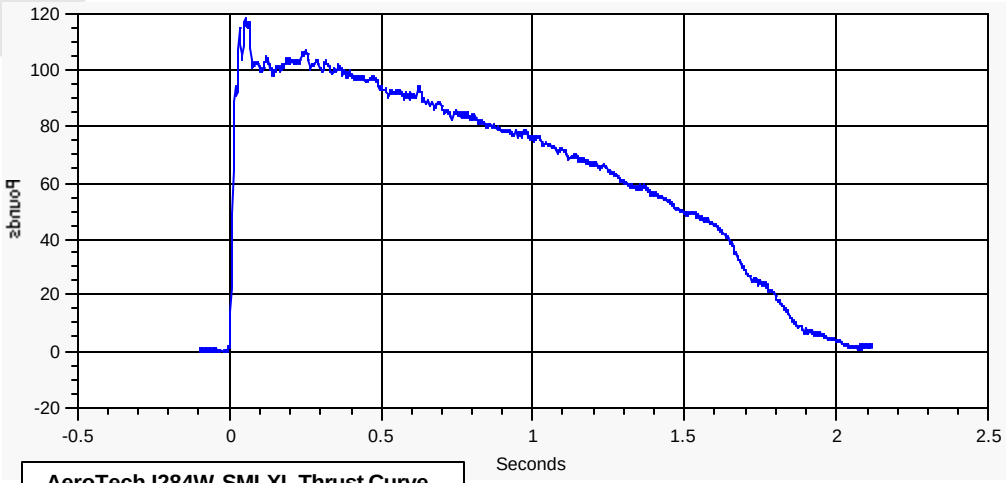
|---|---|---|---|
| **Motor Manufacturer:** | AeroTech | **Test Date:** | 10/17/99 |
| **Motor Designation:** | I284W-SMLXL | **Samples per Second:** | 480 |
| **TMT Metric Designation:** | I313W-6/10/14/18 (90% I) | **Burntime Evaluation (%):** | 5 |
| **SU Dimensions (in):** | 1.5X11.698 | **Calculated Burntime (s):** | 1.94 |
| **Metric Dimensions (mm):** | 38X297 | **Total Impulse:** | 136.5#s (607.3Ns) |
| **Propellant Weight:** | .697# (315.9g) | **Maximum Thrust:** | 128.2# (570.6N) |
| **Nozzle Throat Diameter (in):** | .267 | **Average Thrust:** | 70.4# (313.4N) |
| **Nozzle Exit Cone Diameter (in):** | .435 | **Specific Impulse:** | 195.7 |
| **Certified Until:** | 12/31/02 | | |




**AeroTech I284W-SMLXL Thrust Curve**
**Test Date: 17 Oct 99**

Sincerely,

Sue McMurray
Tripoli Motor Testing Chair