

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH F23 FJ

Effective Dates: NAR Certification: Feb 22, 1999

Certified Total Impulse (N-sec): 56.00 Delay Times: 4, 7

Propellant Type: Composite Propellant Mass (gm): 32.0

Casing Diameter (mm): 29 Casing Length (mm): 73

- - - - - STATIC TEST DATA - - - - -

Number Tested: 10 Casing Date Codes: 91928

Date Tested: Feb 21, 1999 Test Temp (°c): 19 Elevation (ft): 50

Total Impulse (N-sec): 52.85 std. deviation: 0.54

Peak Thrust (newtons): 48.70 std. deviation: 2.91

Burn Time (seconds): 2.22 std. deviation: 0.06

Casing Burnt Mass (gm): 30.3 Max Casing External Temp (°c): under 200

| | | |
|---------------------|------|------|
| Delay Time (sec) | 4 | 7 |
| Initial Mass (gm) | 78.2 | 79.0 |
| Avg. Measured Delay | 4.34 | 7.16 |

Remarks:

Typical Thrust - Time Curve:

