

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH F14

Effective Dates: NAR Certification: Continuing Contest Use: Continuing

Certified Total Impulse (N-sec): 65.00 Delay Times: 4, 6, P

Propellant Type: Composite Propellant Mass (gm): 50.0

Casing Diameter (mm): 29 Casing Length (mm): 98

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

Number Tested: 6 Casing Date Codes: 5D4BD
Date Tested: 9/3/95 Test Temp (°c): 21 Elevation (ft): 200
Total Impulse (N-sec): 61.52 std. deviation: 0.81
Peak Thrust (newtons): 31.68 std. deviation: 1.40
Burn Time (seconds): 4.06 std. deviation: 0.18
Casing Burnt Mass (gm): 42.7 Max Casing External Temp (°c): under 200

| | | | |
|---------------------|------|------|------|
| Delay Time (sec) | 4 | 6 | P |
| Initial Mass (gm) | 98.9 | 98.6 | 97.8 |
| Avg. Measured Delay | 4.89 | 6.27 | NONE |

Remarks:

Typical Thrust - Time Curve:

