

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH F44

Effective Dates: NAR Certification: Continuing Contest Use: Continuing

Certified Total Impulse (N-sec): 80.00 Delay Times: 5, 10, 15

Propellant Type: Composite Propellant Mass (gm): 36.4

Casing Diameter (mm): 24 Casing Length (mm): 101

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

Number Tested: 6 Casing Date Codes: 5D4C1

Date Tested: 9/2/95 Test Temp (°c): 24 Elevation (ft): 200

Total Impulse (N-sec): 77.67 std. deviation: 1.44

Peak Thrust (newtons): 72.67 std. deviation: 2.69

Burn Time (seconds): 1.40 std. deviation: 0.09

Casing Burnt Mass (gm): 33.2 Max Casing External Temp (°c): under 200

Delay Time (sec)	5	10	15
Initial Mass (gm)	82.0	81.8	81.6
Avg. Measured Delay	5.92	11.24	15.54

Remarks:

Typical Thrust - Time Curve:

