

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH F72

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): 36.8

Casing Diameter (mm): 24 Casing Length (mm): 124

----- 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): 74.92 std. deviation: 2.40
Peak Thrust (Newtons): 98.78 std. deviation: 1.35
Burn Time (Seconds): 1.21 std. deviation: 0.05
Casing Burnt Mass (GM): 31.4 Max Casing External Temp (°c): under 200

Delay Time (sec)	5	10	15
Initial Mass (gm)	74.1	73.8	74.6
Avg. Measured Delay	5.42	10.40	15.04

Remarks:

Typical Thrust - Time Curve:

