

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH F25

Effective Dates: NAR Certification: Continuing Contest Use: Continuing

Certified Total Impulse (N-sec): 80.00 Delay Times: 4, 6, 9

Propellant Type: Composite Propellant Mass (gm): 35.6

Casing Diameter (mm): 29 Casing Length (mm): 97

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

Number Tested: 6 Casing Date Codes: 5D4BD  
Date Tested: 9/3/95 Test Temp (°c): 23 Elevation (ft): 200  
Total Impulse (N-Sec): 77.92 std. deviation: 1.08  
Peak Thrust (Newtons): 46.79 std. deviation: 5.83  
Burn Time (Seconds): 3.05 std. deviation: 0.07  
Casing Burnt Mass (GM): 43.8 Max Casing External Temp (°c): under 200

Delay Time (sec)	4	6	9
Initial Mass (gm)	89.9	89.4	90.0
Avg. Measured Delay	4.29	6.38	9.30

Remarks:

Typical Thrust - Time Curve:

