

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH F32

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): 37.7

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

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

Number Tested: 6 Casing Date Codes: 5D4BC7  
Date Tested: 9/3/95 Test Temp (°c): 21 Elevation (ft): 200  
Total Impulse (N-sec): 79.20 std. deviation: 0.40  
Peak Thrust (newtons): 55.64 std. deviation: 1.16  
Burn Time (seconds): 2.72 std. deviation: 0.08  
Casing Burnt Mass (gm): 35.8 Max Casing External Temp (°c): under 200

Delay Time (sec)	5	10	15
Initial Mass (gm)	81.6	81.0	81.7
Avg. Measured Delay	5.60	9.48	16.45

Remarks:

Typical Thrust - Time Curve:

