

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH F50

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): 37.9

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): 76.83 std. deviation: 0.47
Peak Thrust (newtons): 79.59 std. deviation: 8.26
Burn Time (seconds): 1.43 std. deviation: 0.10
Casing Burnt Mass (gm): 38.4 Max Casing External Temp (°c): under 200

Delay Time (sec)	4	6	9
Initial Mass (gm)	84.9	83.9	84.9
Avg. Measured Delay	4.25	6.05	9.20

Remarks:

Typical Thrust - Time Curve:

