

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH E25

Effective Dates: NAR Certification: Continuing Contest Use: Continuing

Certified Total Impulse (N-sec): 22.00 Delay Times: 4, 7

Propellant Type: Composite Propellant Mass (gm): 11.0

Casing Diameter (mm): 18 Casing Length (mm): 70

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

Number Tested: 6 Casing Date Codes: 5E13E

Date Tested: 4/22/95 Test Temp (°c): 20 Elevation (ft): 50

Total Impulse (N-sec): 21.86 std. deviation: 0.26

Peak Thrust (newtons): 44.55 std. deviation: 6.03

Burn Time (seconds): 0.94 std. deviation: 0.05

Casing Burnt Mass (gm): 9.2 Max Casing External Temp (°c): under 200

Delay Time (sec)	4	7
Initial Mass (gm)	24.3	24.3
Avg. Measured Delay	4.72	8.00

Remarks:

Typical Thrust - Time Curve:

