

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH E6

Effective Dates: NAR Certification: Continuing Contest Use: Continuing

Certified Total Impulse (N-sec): 40.00 Delay Times: 2, 4, 8, P

Propellant Type: Composite Propellant Mass (gm): 21.5

Casing Diameter (mm): 24 Casing Length (mm): 70

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

Number Tested: 8 Casing Date Codes:

Date Tested: 6/24/95 Test Temp (°c): 22 Elevation (ft): 200

Total Impulse (N-Sec): 38.67 std. deviation: 0.90

Peak Thrust (Newtons): 20.12 std. deviation: 1.52

Burn Time (Seconds): 6.06 std. deviation: 0.33

Casing Burnt Mass (GM): 21.8 Max Casing External Temp (°c): under 200

Delay Time (sec)	2	4	8	P
Initial Mass (gm)	46.3	46.2	46.3	46.3
Avg. Measured Delay	2.16	4.08	8.09	NONE

Remarks:

Typical Thrust - Time Curve:

