

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH E15

Effective Dates: NAR Certification: 4/18/88 Contest Use: 7/17/88

Certified Total Impulse (N-sec): 40.00 Delay Times: 4, 7

Propellant Type: Composite Propellant Mass (gm): 17.8

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

----- 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): 39.76 std. deviation: 0.23
Peak Thrust (Newtons): 28.84 std. deviation: 2.11
Burn Time (Seconds): 2.64 std. deviation: 0.06
Casing Burnt Mass (GM): 25.3 Max Casing External Temp (°c): under 200

Delay Time (sec)	4	7
Initial Mass (gm)	50.2	50.0
Avg. Measured Delay	4.56	7.97

Remarks:

Typical Thrust - Time Curve:

