

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH E7T RC RELOADABLE

Effective Dates: NAR Certification: Aug 28, 1994 Contest Use: Nov 26, 1994

Certified Total Impulse (N-sec): 30.00 Delay Times: None

Propellant Type: Composite Propellant Mass (gm): 17.1

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

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

Number Tested: 11 Casing Date Codes: None

Date Tested: Aug 27, 1994 Test Temp (°c): 24 Elevation (ft): 100

Total Impulse (N-sec): 29.35 std. deviation: 0.39

Peak Thrust (newtons): 11.58 std. deviation: 0.44

Burn Time (seconds): 5.43 std. deviation: 0.06

Casing Burnt Mass (gm): 29.3 Max Casing External Temp (°c): under 200

Delay Time (sec)	None
Initial Mass (gm)	48.4
Avg. Measured Delay	None

Remarks: Uses AEROTECH RMS-RC 24/20-40 Reload System and AEROTECH E7T-RC Reload Kit. No substitutions allowed.

Typical Thrust - Time Curve:

