

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH E12-R/C RELOADABLE

Effective Dates: NAR Certification: Jan 19, 1996 Contest Use: April 19, 1996

Certified Total Impulse (N-sec): 36.00 Delay Times: P

Propellant Type: Composite Propellant Mass (gm): 30.3

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

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

Number Tested: 6 Casing Date Codes: None  
Date Tested: Dec 1995 Test Temp (°C): 19 Elevation (ft): 100  
Total Impulse (N-sec): 34.22 std. deviation: 1.89  
Peak Thrust (newtons): 18.33 std. deviation: 2.88  
Burn Time (seconds): 3.05 std. deviation: 0.32  
Casing Burnt Mass (gm): 33.0 Max Casing External Temp (°C): under 200

Delay Time (sec)	P
Initial Mass (gm)	59.4
Avg. Measured Delay	None

Remarks: Uses AEROTECH RMS-24 R/C Reload System and AEROTECH E12 R/C Reload Kit. No substitutions allowed.

Typical Thrust - Time Curve:

