

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH G12 RC RELOADABLE

Effective Dates: NAR Certification: Aug 5, 1993 Contest Use: Nov 1, 1993

Certified Total Impulse (N-sec): 93.00 Delay Times: None, Plugged

Propellant Type: Composite Propellant Mass (gm): 51.1

Casing Diameter (mm): 32 Casing Length (mm): 107

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

Number Tested: 10 Casing Date Codes: None
Date Tested: FEB 22, 1992 Test Temp (°c): 18 Elevation (ft): 50
Total Impulse (N-sec): 87.22 std. deviation: 1.18
Peak Thrust (newtons): 20.64 std. deviation: 1.05
Burn Time (seconds): 8.55 std. deviation: 0.33
Casing Burnt Mass (gm): 77.8 Max Casing External Temp (°c): under 200

Delay Time (sec)	Plugged
Initial Mass (gm)	131
Avg. Measured Delay	None

Remarks: Uses AEROTECH RMS-RC 32/60-100 Reload System and AEROTECH G12-RC reload kit. No substitutions allowed.

Typical Thrust - Time Curve:

