

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH F22 RELOADABLE

Effective Dates: NAR Certification: Dec 23, 1993 Contest Use: Mar 23, 1994

Certified Total Impulse (N-sec): 65.00 Delay Times: 4

Propellant Type: Composite Propellant Mass (gm): 46.3

Casing Diameter (mm): 29 Casing Length (mm): 124

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

Number Tested: 10 Casing Date Codes: None

Date Tested: July 18, 1992 Test Temp (°c): 24 Elevation (ft): 200

Total Impulse (N-sec): 65.00 std. deviation: 1.03

Peak Thrust (newtons): 31.15 std. deviation: 1.73

Burn Time (seconds): 3.31 std. deviation: 0.23

Casing Burnt Mass (gm): 83.3 Max Casing External Temp (°c): under 200

Delay Time (sec)	4
Initial Mass (gm)	135.6
Avg. Measured Delay	3.59

Remarks: Uses AEROTECH RMS-29/40-120 Reload System and AEROTECH F22 Reload Kit. No substitutions allowed.

Typical Thrust - Time Curve:

