

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH F24 RELOADABLE

Effective Dates: NAR Certification: Feb 28, 1994 Contest Use: May 29, 1994

Certified Total Impulse (N-Sec): 50.00 Delay Times: 4, 7

Propellant Type: Composite Propellant Mass (GM): 19.0

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

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

Number Tested: 11 Casing Date Codes: None
Date Tested: Feb 27, 1994 Test Temp (°c): 21 Elevation (FT): 50
Total Impulse (N-Sec): 47.31 std. deviation: 0.43
Peak Thrust (Newtons): 40.95 std. deviation: 2.98
Burn Time (Seconds): 2.13 std. deviation: 0.25
Casing Burnt Mass (GM): 34.8 Max Casing External Temp (°c): under 200

Delay Time (sec)	4	7
Initial Mass (gm)	62.2	62.9
Avg. Measured Delay	3.71	6.60

Remarks: Uses AEROTECH RMS-24/40 Reload System and AEROTECH F24 Reload Kit. No substitutions allowed.

Typical Thrust - Time Curve:

