

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH F16-RCJ RELOADABLE

Effective Dates: NAR Certification: April 17, 1994 Contest Use: July 16, 1994

Certified Total Impulse (N-Sec): 80.00 Delay Times: None

Propellant Type: Composite Propellant Mass (GM): 62.5

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

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

Number Tested: 10 Casing Date Codes: None

Date Tested: April 16, 1994 Test Temp (°c): 18 Elevation (FT): 50

Total Impulse (N-Sec): 75.48 std. deviation: 3.94

Peak Thrust (Newtons): 26.35 std. deviation: 1.73

Burn Time (Seconds): 5.69 std. deviation: 0.23

Casing Burnt Mass (GM): 81.9 Max Casing External Temp (°c): under 200

Delay Time (SEC)	0
Initial Mass (GM)	140.4
Avg. Measured Delay	None

Remarks: Uses AEROTECH RMS-RC 36/60-100 Reload System and AEROTECH F16-RCJ Reload Kit. No substitutions allowed.

Typical Thrust - Time Curve:

