

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH G38 FJ

Effective Dates: NAR Certification: Feb 22, 1999

Certified Total Impulse (N-sec): 94.00 Delay Times: 4, 7

Propellant Type: Composite Propellant Mass (gm): 55.0

Casing Diameter (mm): 29 Casing Length (mm): 98

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

Number Tested: 10 Casing Date Codes: 91928  
Date Tested: Feb 21, 1999 Test Temp (°c): 19 Elevation (ft): 50  
Total Impulse (N-sec): 87.68 std. deviation: 0.56  
Peak Thrust (newtons): 78.19 std. deviation: 7.44  
Burn Time (seconds): 2.18 std. deviation: 0.06  
Casing Burnt Mass (gm): 34.6 Max Casing External Temp (°c): under 200

Delay Time (sec)	4	7
Initial Mass (gm)	106.4	105.9
Avg. Measured Delay	3.99	6.17

Remarks:

Typical Thrust - Time Curve:

