

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH G55

Effective Dates: NAR Certification: Continuing Contest Use: Continuing

Certified Total Impulse (N-sec): 125.00 Delay Times: 5, 10, 15

Propellant Type: Composite Propellant Mass (gm): 62.5

Casing Diameter (mm): 24 Casing Length (mm): 177

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

Number Tested: 6 Casing Date Codes: 5D4C1  
Date Tested: 9/2/95 Test Temp (°c): 21 Elevation (ft): 200  
Total Impulse (N-sec): 119.57 std. deviation: 3.57  
Peak Thrust (newtons): 84.65 std. deviation: 0.99  
Burn Time (seconds): 2.44 std. deviation: 0.06  
Casing Burnt Mass (gm): 42.3 Max Casing External Temp (°c): under 200

Delay Time (sec)	5	10	15
Initial Mass (gm)	115.3	114.8	114.4
Avg. Measured Delay	4.81	9.60	13.77

Remarks:

Typical Thrust - Time Curve:

