

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH E30

Effective Dates: NAR Certification: April 18, 1988 Contest Use: July 17, 1988

Certified Total Impulse (N-sec): 40.00 Delay Times: 4, 7

Propellant Type: Composite Propellant Mass (gm): 19.2

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

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

Number Tested: 6 Casing Date Codes: 5D4BD  
Date Tested: 9/3/95 Test Temp (°c): 22 Elevation (ft): 200  
Total Impulse (N-Sec): 39.51 std. deviation: 0.29  
Peak Thrust (Newtons): 48.27 std. deviation: 0.81  
Burn Time (Seconds): 1.22 std. deviation: 0.01  
Casing Burnt Mass (GM): 19.8 Max Casing External Temp (°c): under 200

Delay Time (sec)	4	7
Initial Mass (gm)	43.4	43.2
Avg. Measured Delay	4.25	6.56

Remarks:

Typical Thrust - Time Curve:

