

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH D15 RELOADABLE

Effective Dates: NAR Certification: Dec 23, 1993 Contest Use: Mar 23, 1994

Certified Total Impulse (nt-Sec): 20.00 Delay Times: 4, 6, 8

Propellant Type: Composite Propellant Mass (GM): 8.9

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

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

Number Tested: 10 Casing Date Codes: None

Date Tested: Aug 30, 1992 Test Temp (°c): 17 Elevation (FT): 200

Total Impulse (nt-Sec): 18.96 std. deviation: 0.27

Peak Thrust (Newtons): 31.36 std. deviation: 1.12

Burn Time (Seconds): 1.15 std. deviation: 0.02

Casing Burnt Mass (GM): 32.2 Max Casing External Temp (°c): under 200

Delay Time (SEC)	4	6	8
Initial Mass (GM)	45.4	46.2	46.9
Avg. Measured Delay	3.55	5.79	8.22

Remarks:

Typical Thrust - Time Curve:

