

CERTIFIED VALUES

Total Impulse: 23.0 newton-seconds
Delays: 0, 4, 6 seconds

Propellant Type: Black Powder
Propellant Mass: 21.0 grams

Casing Dimensions: 21 mm x 95 mm

Certification Date: Continuing
Contest Use Date: Continuing

Certification Type: Model Rocket

STATIC TEST DATA

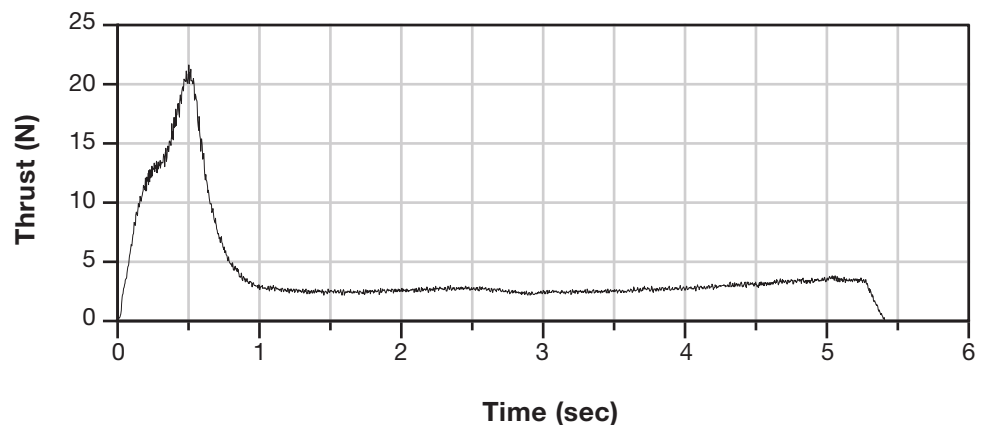
Date Tested: 95-August-19

Total Impulse: 22.11 newton-seconds (σ 0.77)
Peak Thrust: 21.63 newtons (σ 0.97)
Burn Time: 5.41 seconds (σ 0.10)
Average Thrust: 4.09 newtons

Mass After Firing: 23.7 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
0	0.00	50.4 g	150 g
4	3.93	49.1 g	150 g
6	6.57	50.4 g	150 g

TYPICAL THRUST-TIME CURVE



REMARKS