

# QUEST A6

## CERTIFIED VALUES

Total Impulse: 2.50 newton-seconds  
Delays: 4 seconds

Propellant Type: Black Powder  
Propellant Mass: 3.5 grams

Casing Dimensions: 18 mm x 70 mm

Certification Date: 91-November-25  
Contest Use Date: 91-February-23

Certification Type: Model Rocket

## STATIC TEST DATA

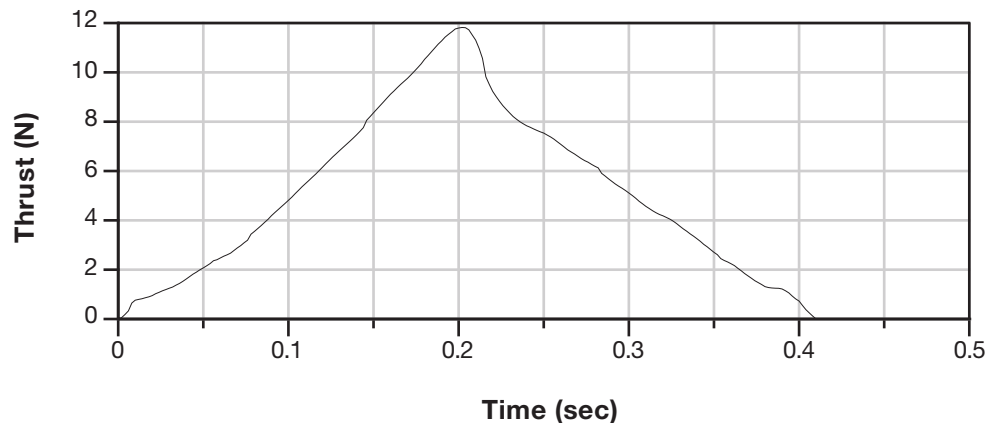
Date Tested: 91-November-24

Total Impulse: 2.12 newton-seconds ( $\sigma$  0.05)  
Peak Thrust: 11.82 newtons ( $\sigma$  0.58)  
Burn Time: 0.41 seconds ( $\sigma$  0.01)  
Average Thrust: 5.17 newtons

Mass After Firing: 10.6 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
4	4.79	15.3 g	74 g

## TYPICAL THRUST-TIME CURVE



## REMARKS