

# QUEST B6-0,4

## CERTIFIED VALUES

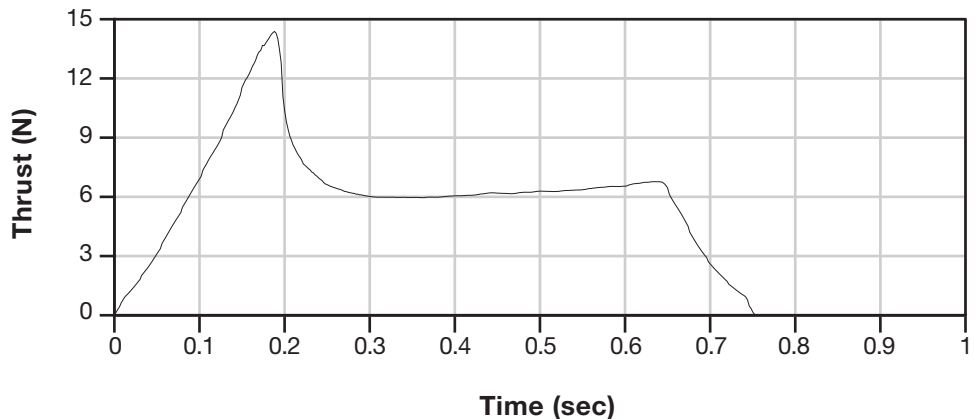
Total Impulse: 5.00 newton-seconds  
Delays: 0, 4 seconds  
Propellant Type: Black Powder  
Propellant Mass: 6.5 grams  
Casing Dimensions: 18 mm x 70 mm  
Certification Date: 91-November-4  
Contest Use Date: 91-February-2  
Certification Type: Model Rocket

## STATIC TEST DATA

Date Tested: 91-November-3  
Total Impulse: 4.63 newton-seconds ( $\sigma$  0.15)  
Peak Thrust: 14.38 newtons ( $\sigma$  1.15)  
Burn Time: 0.75 seconds ( $\sigma$  0.07)  
Average Thrust: 6.17 newtons  
Mass After Firing: 9.7 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
0	0.00	14.8 g	113 g
4	4.69	17.8 g	113 g

## TYPICAL THRUST-TIME CURVE



## REMARKS

There are three data sheets for Quest B6 motors due to different certification dates and different tested values.