

QUEST C6-7

CERTIFIED VALUES

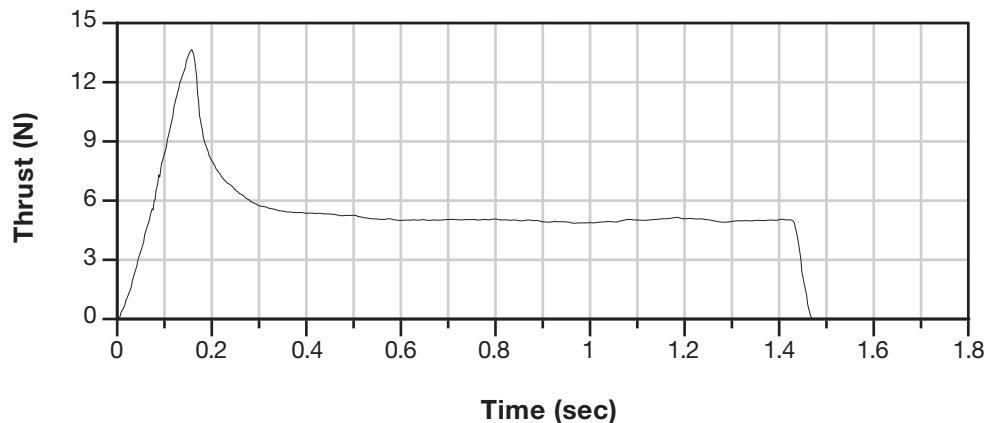
Total Impulse: 8.8 newton-seconds
Delays: 7 seconds
Propellant Type: Black Powder
Propellant Mass: 11.0 grams
Casing Dimensions: 18 mm x 70 mm
Certification Date: 92-August-30
Contest Use Date: 92-November-28
Certification Type: Model Rocket

STATIC TEST DATA

Date Tested: 92-August-29
Total Impulse: 7.95 newton-seconds (σ 0.12)
Peak Thrust: 13.65 newtons (σ 0.73)
Burn Time: 1.47 seconds (σ 0.02)
Average Thrust: 5.41 newtons
Mass After Firing: 10.1 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
7	7.2	22.8 g	113 g

TYPICAL THRUST-TIME CURVE



REMARKS

There are three data sheets for Quest C6 motors due to different certification dates and different tested values.