

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: Aerotech I65

Effective Dates: NAR Certification: 6/4/01

Contest Use: TBA

Certified Total Impulse (N-Sec): 640.00

Initial Mass (GM): 776.1

Propellant Type: Composite

Propellant Mass (GM): 369.7

Casing Diameter (MM): 54

Casing Length (MM): 235

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

Number Tested: 3

Casing Date Codes:

Date Tested: 6/3/01

Test Temp (°c): 23

Elevation (FT): 500

Total Impulse (N-Sec): 630.50

std. deviation: 1.94

Peak Thrust (Newtons): 150.07

std. deviation: 8.04

Burn Time (Seconds): 9.05

std. deviation: 0.75

Casing Burnt Mass (GM): 363.7

Max Casing External Temp (°c): under 200

Remarks:

Typical Thrust - Time Curve:

