

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: Aerotech H268R

Effective Dates: NAR Certification: 6/4/01

Contest Use: TBA

Certified Total Impulse (N-Sec): 320.00

Initial Mass (GM): 357.5

Propellant Type: Composite

Propellant Mass (GM): 166.0

Casing Diameter (MM): 29

Casing Length (MM): 333

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

Number Tested: 9

Casing Date Codes:

Date Tested: 6/3/01

Test Temp (°c): 23

Elevation (FT): 500

Total Impulse (N-Sec): 311.48

std. deviation: 1.21

Peak Thrust (Newtons): 338.36

std. deviation: 34.39

Burn Time (Seconds): 1.16

std. deviation: 0.01

Casing Burnt Mass (GM): 181.3

Max Casing External Temp (°c): under 200

Remarks: This reload uses the RMS-29/360 case and REDLINE propellant

Typical Thrust - Time Curve:

