

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: Aerotech H210R

Effective Dates: NAR Certification: 5/7/01 Contest Use: TBA

Certified Total Impulse (N-Sec): 220.00 Initial Mass (GM): 246.2

Propellant Type: Composite Propellant Mass (GM): 110.8

Casing Diameter (MM): 29 Casing Length (MM): 239

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

Number Tested: 9

Casing Date Codes:

Date Tested: 5/6/01 Test Temp (°c): 22 Elevation (FT): 500

Total Impulse (N-Sec): 209.67 std. deviation: 1.02

Peak Thrust (Newtons): 264.92 std. deviation: 13.69

Burn Time (Seconds): 0.99 std. deviation: 0.01

Casing Burnt Mass (GM): 124.1 Max Casing External Temp (°c): under 200

Remarks: This reload uses the RMS-29/240 case and REDLINE propellant

Typical Thrust - Time Curve:

