

# AEROTECH G71

## CERTIFIED VALUES

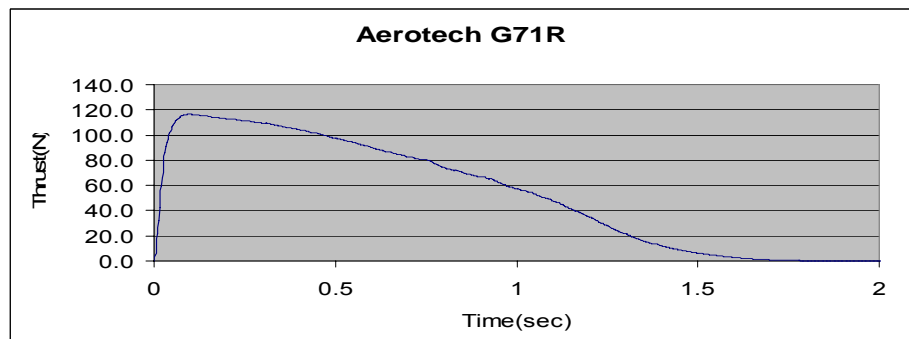
**Total Impulse:** 107 Newton-seconds  
**Delays:** 4, 7, 10 seconds  
**Propellant Type:** Redline  
**Propellant Mass:** 56.9 grams  
**Casing Dimensions:** 29 mm × 124 mm  
**Certification Date:** January 31, 2007  
**Certification Type:** Model Rocket Motor

## STATIC TEST DATA

**Date Tested:** June 3, 2006  
**Total Impulse:** 107 Newton-seconds ( $\sigma$  0.9)  
**Peak Thrust:** 117 Newtons ( $\sigma$  2.5)  
**Burn Time:** 1.51 seconds ( $\sigma$  0.02)  
**Average Thrust:** 71.0 Newtons ( $\sigma$  1.1)  
**Mass After Firing:** 83 grams

Delay Time(sec.)	4	7	10
Average Measured Delay(sec.)	3.99	6.64	10.45
Initial Mass (gm.)	146	147	147

## TYPICAL THRUST-TIME CURVE



## REMARKS

Uses RMS-29/40-120 Reload System and AeroTech G71 Reload Kit. No substitutions allowed.



WRASP Data for Aerotech G71

; Exported using ThrustCurveTool, www.ThrustGear.com

; @File: G67\_G71 composite.txt, @Pts-I: 1001, @Pts-O: 33, @Sm: 5, @CO: 5%

; @TI: 107.0351, @TIIa: 106.4069, @TIIe: 0.0%, @ThMax: 116.2107, @ThAvg: 70.7436, @Tb: 1.513

G71 29 124 4,7,10 0.0569 0.147 Aerotech

0.0000	7.3019
0.0050	17.1411
0.0075	23.3494
0.0175	51.8525
0.0250	70.7887
0.0300	80.9296
0.0325	85.1533
0.0400	95.1471
0.0450	100.0951
0.0500	104.0223
0.0550	107.1425
0.0625	110.6384
0.0700	113.0567
0.0775	114.6115
0.0950	116.0183
0.1375	115.2537
0.3075	109.3836
0.4075	103.9494
0.6925	83.1899
0.7525	79.9506
0.8050	73.7194
0.9275	64.9985
0.9725	59.7735
1.0325	54.9120
1.0850	49.4717
1.2025	34.8223
1.2800	23.7653
1.3425	16.6926
1.4225	10.5009
1.5150	5.7093
1.5825	3.3308
1.6875	1.1537
1.9575	0.0000