## **AEROTECH D21**

CERTIFIED VALUES	Total Impulse: Delays:	20 newton-seconds 4, 7		
	Propellant Type: Propellant Mass:	Composite 9.6 grams		
	Casing Dimensions	Casing Dimensions: $18 \text{ mm} \times 70 \text{ mm}$		
	Certification Date: Contest Use Date:	88-November-6 89-February-6		
	<b>Certification Type:</b>	Model Rocket		
STATIC	Date Tested:	95-September-3		
TEST DATA	Total Impulse: Peak Thrust: Burn Time: Average Thrust:	19.59 newton-s 32.12 newtons 0.94 seconds 20.84 newtons	seconds (σ 0.24) (σ 0.92) (σ 0.05)	
	Mass After Firing:	10.4 grams		
	<b>Delay Time Mea</b> 4 7	Averagesured DelayInitial M4.8024.9 g7.3825.0 g	Mfg Recommended Max Liftoff Weight 454 g 318 g	
	L			



## REMARKS

; Aerotech D21 RASP.ENG file made from NAR published data

; File produced July 4, 2000

; The total impulse, peak thrust, average thrust and burn time are

; the same as the averaged static test data on the NAR web site in ; the certification file. The curve drawn with these data points is as

; close to the certification curve as can be with such a limited up to v1.6.

; numb	er of poir	nts (3	2) allov	ved with	wRASP
D21	18 70	4-7	.0096	.0250	А
0.010	1.367				
0.021	19.367				
0.029	32.120				
0.037	31.667				
0.051	30.528				
0.094	30.074				
0.115	31.213				
0.133	30.074				
0.177	30.760				
0.189	29.842				
0.203	30.528				
0.226	29.842				
0.275	28.935				
0.296	29.389				



