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September 29, 2025

ABRA Space LTD.
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The AURA 24 rocket engine was tested on 29 September 2025 by the ABRA Space team at our test stand. This test was carried out for the purpose of evaluating data on the performance of the engine, and no definitive determination was made as to its full compliance with the NFPA 1125 standard. However, according to the test results, the engine was judged to be suitable for model rocketry use and was approved by members of the ABRA Space Engine Testing Division.

Motor Details

Motor Manufacturer	ABRA Space LTD.
Manufacturer's Designation	ARMS – Amateur Rocket Motor System, single use
Propellant	C-Slot & Standart Burn
TMT Nomenclature	1549 / D

Physical Characteristics

Diameter	0.944’’	/ 24 mm
Overall Length (Forward Closure & Nozzle Included)	5.118”	/ 130 mm
Case Length	3.937’’	/ 100 mm
Inner Diameter	0.846’’	/ 21,5 mm
Wall Thickness	0.049’’	/ 1,25 mm

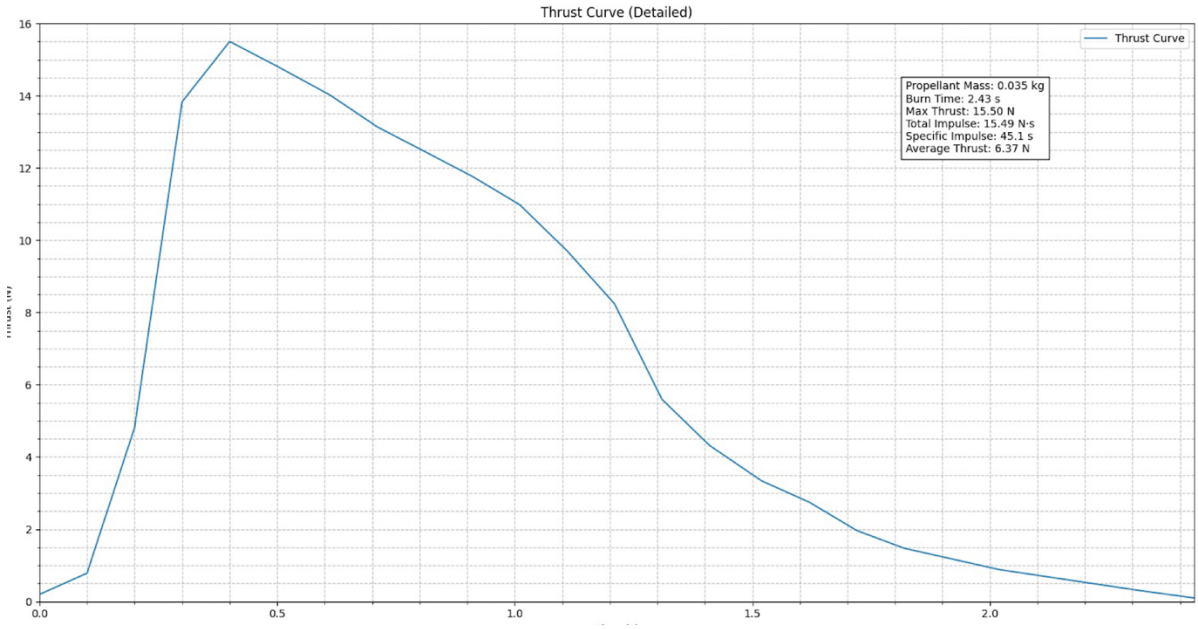
Mass Data

Loaded Mass	0.011 lb	/ 52 g (± 15g)
Propellant Mass	0.077 lb	/ 35 g*
Burnout Mass	0.037 lb	/ 17 g

Performance Data

Burn Time	2.43 sec	
Total Impulse	3.482 lbf.s	/ 15.49 N.s
Specific Impulse	45.1 sec	
Max Thrust	3.485 lbf	/ 15.50 N
Average Thrust	1.432 lbf	/ 6.37 N

(*data provided by manufacturer)



Sincerely,

ABRA Space LTD.