

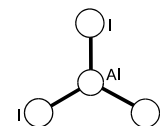
Structure Data of Free Polyatomic Molecules

10	AlI₃	Aluminum triiodide Aluminum(III) iodide	D_{3h} assumed AlI ₃
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 ED, DFT
calculations

r_g	$\text{\AA}^a)$
Al-I	2.461(5)

r_a	$\text{\AA}^a)$
Al-I	2.449(5)



A small amount of I₂, *ca.* 7%, was present in the vapor. The bond length $r_a(\text{I-I})$ in I₂ was constrained to the value of 2.674 Å.

The nozzle temperature was 300 °C.

^{a)} Twice the estimated standard error.

Aarset, K., Shen, Q., Thomassen, H., Richardson, A.D., Hedberg, K.: J. Phys. Chem. A **103** (1999) 1644.

Replaces [II/25A\(2, 16\)](#)