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ED $\text{N}_4\text{O}_{12}\text{Zr}$ **Zirconium tetranitrate**
Zirconium(IV) nitrateessentially D_4
 $\text{Zr}(\text{NO}_3)_4$

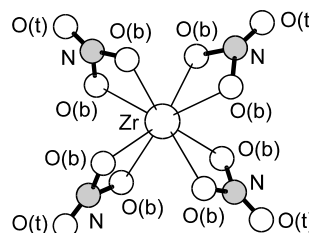
r_a	\AA^a	θ_a	deg^a
Zr...N	2.645(2)	O(b)–Zr...N	28.2(2)
Zr–O(b)	2.204(1)	O(b)–N–O(t)	124.0(1)
N–O(t)	1.186(2)	N...Zr...N	178.8(4)
N–O(b)	1.285(1)	τ^b	35.1(10)
		φ^c	0.7(2)

Local C_{2v} symmetry was assumed for the NO_3 group.
The temperature of the measurements was 423(10) K.

^a) Estimated standard errors.

^b) Torsional angle of the NO_3 group around the Zr...N axis,
 $\tau = 0^\circ$ when the O(b)...O(b) direction is parallel to the C_4 axis.

^c) Dihedral angle between the O(b)ZrO(b) and O(b)NO(b) planes.



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