

<b>160</b> ED	<b>Cl<sub>4</sub>O<sub>16</sub>Zr</b>	<b>Tetrakis(perchlorato-<math>\kappa O, \kappa O'</math>)zirconium</b> Zirconium(IV) perchlorate	<b>D<sub>4</sub></b> Zr(ClO <sub>4</sub> ) <sub>4</sub>
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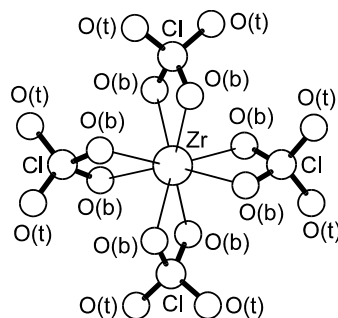
$r_g$	Å <sup>a)</sup>	$\theta_a$	deg <sup>a)</sup>
Zr...Cl	2.845(4)	O(b)–Cl=O(t)	110.9(6)
Zr–O(b)	2.223(3)	O(b)–Zr–O(b)	62.8(3)
Cl=O(t)	1.404(2)	$\tau^b$	23.0(15)
Cl–O(b)	1.506(3)	$\varphi^c$	4.0(6)

The nozzle temperature was 90(10) °C.

<sup>a)</sup> 2.5 times the estimated standard errors including a systematic error.

<sup>b)</sup> Torsional angle of ClO<sub>4</sub> groups around the Zr...Cl axis,  $\tau = 0^\circ$  when the O(b)...O(b) direction is parallel to the C<sub>4</sub> axis.

<sup>c)</sup> Angle of the deviation of the O(b)ClO(b) plane from the O(b)ZrO(b) plane. This deviation of the ring from planarity could be ascribed to shrinkage effect.



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