

# Structure Data of Free Polyatomic Molecules

<b>155</b>	<b>Cl<sub>3</sub>Sc</b>	<b>Scandium trichloride</b>	<b>D<sub>3h</sub></b>
ED, DFT calculations		Scandium(III) chloride	ScCl <sub>3</sub>
	$\frac{r_g}{\text{Å}^a)}$	$\frac{\theta_\alpha}{\text{deg}^a)}$	
	Sc–Cl 2.291(3)	Cl–Sc–Cl 119.8(5)	

According to mass spectra recorded simultaneously with ED data, the gas consisted of monomeric (92(2) mol%) and dimeric (8(2) mol%) forms.

The nozzle temperature was 900(10) K.

<sup>a)</sup> Twice the estimated standard error including a systematic error.

Haaland, A., Martinsen, K.-G., Shorokhov, D.J., Girichev, G.V., Sokolov, V.I.: J. Chem. Soc., Dalton Trans. (1998) 2787.