

New insight into the reduction of rhenates(VII) with hydrogen chloride and into the structure of the ReOCl_5^- product.

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Streszczenie

Rhenate(VII) anion is reduced by gaseous HCl to yield pentachloridooxidorehenate(VI) anion. Several pentachloridooxidorehenate(VI) salts have been crystallized and the anion structure has been investigated in detail. The ReOCl_5^{2-} anion structure has been compared with the ReOCl_5^{2-} structure and conclusions concerning the influence of the central atom d electrons number on the anion geometry have been drawn.

Słowa kluczowe

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