

# Synthesis and Crystal Structure of a Novel Neutral Polymeric Lead(II)-thiosemicarbazonato Complex

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Z. Naturforsch. **53 b**, 81–86 (1998); received August 26, 1997

Polymeric Lead(II) Complex, 2-Acetylpyridine-<sup>4</sup>N-methylthiosemicarbazone, X-Ray Data

The reaction between lead(II) acetate and 2-acetylpyridine <sup>4</sup>N-methylthiosemicarbazone (H4ML) produced a complex of the formula [Pb(4ML)(OOCMe)] with an unusual polymeric structure in which the lead atom is hepta-coordinate, the deprotonated thiosemicarbazone is a tetradentate bridge, and the acetate group both chelates and bridges. The complex crystallizes in the triclinic space group  $P\bar{1}$  with  $a = 8.860(2)$ ,  $b = 9.394(2)$ ,  $c = 9.783(3)$  Å,  $\alpha = 108.93(4)$ ,  $\beta = 98.67(3)$ ,  $\gamma = 107.87(5)^\circ$ ,  $V = 704.1(3)$  Å<sup>3</sup>,  $Z = 2$ .

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