



1 D coordination polymer with octahedral and square-planar nickel(II) centers.

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Streszczenie

Synthesis of an interesting Ni(II) 1D-chain, $[\text{Ni}_3(\text{ashz})_2(\text{DMF})_2(\text{H}_2\text{O})_2]_n \cdot 4\text{DMF}$ (**1**·4DMF), derived from *N*-acetylsalicylhydrazide (H_3ashz) has been reported. The unprecedented bridging coordination mode involving the phenoate oxygen of ashz^{3-} leads to the formation of a polynuclear 1D-chain without any additional spacer ligand. The coordination polymer **1** contains the Ni(II) cations in octahedral and in square-planar environments and shows antiferromagnetic interactions.

Słowa kluczowe

Nickel coordination polymer, *N*-acetylsalicylhydrazide 1D chain, Antiferromagnetic interaction, X-ray crystallography

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