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The invention relates to processes for underground water purification from sulphureted hydrogen and/or sulphides and may be used in the water treatment process or in the self-contained filters for water purification.

The process, according to the invention, includes purification of underground waters from sulphureted hydrogen and/or sulphides by their aeration in the presence of catalysts obtained on base of oxidized active coal, impregnated with copper or iron ions, during 30...90 min, with an air rate of 10...15 L/hour per 1 g of catalyst, the mass ratio catalyst:water being of 1:(350...450) and the water pH 7,5...8,5.

The result of the invention consists in the sulphidic ions oxidation up to the sulphur compounds with high degree of oxidation, excluding the formation of elementary sulphur and the possibility of silting the catalyst pores.

Claims: 1