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The invention relates to chemistry, namely to a process for solution purification from cyanide, thiocyanate, cyanate ions, including waste waters, obtained as a result of non-ferrous and noble metals extraction and in the by-product coke industry.

Summary of the invention consists in that the solution containing cyanide, thiocyanate, cyanate ions is passed through a column with selective anion-exchange sorbent, obtained by preliminary modification of highly basic anionites with compounds of ferrum (III), by treatment of 0,5...1,0 g of anionite with 100 ml of solution, containing 6...8 g/l of ferric (III) sulphate nonahydrate at the temperature of 45...55°C during 8...12 hours.

Claims: 1