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The invention relates to potentiometry, in particular to a Cu^{2+} - selective electrode membrane, which can be used to quantify copper in various samples, for example minerals, pharmaceuticals and phytosanitary products.
The membrane, according to the invention, comprises polyvinylchloride, 2-nitrophenyloctyl ether and 1,5-bis(salicylidene)-S-methylisothiocarbohydrazide.
The Cu^{2+} - selective electrode with such a membrane is characterized by functional parameters: the electrode function slope of 28±2 mV/decade, the limiting definition range of 10^{-5} mol/L, the time of signal appearance of 10-15 s and the service time of 6 months.

Claims: 1
Fig.: 1