

Electrochemical sensor for the quantitative determination of hydrazine in air, whose cell contains a working electrode, a reference electrode, and a counter electrode separated from one another, as well as an electrolyte consisting of an aqueous solution of lithium chloride. The electrodes are separated by separators impregnated with the lithium chloride solution. The cell is designed as a tablet in which the electrodes and the separators between them are combined by layer-by-layer pressing. Wherein the cell's working electrode is made of porous titanium activated with cobalt oxide (Co_3O_4). The cell's reference electrode is made of a mixture of an electrolyte-stable conductive material and silver powder coated with a layer of silver chloride. The cell's counter electrode is made of porous titanium activated with platinum; the separators are made of a mixture of FT-4 MB fluoroplastic polymer binder powder, a hydrophilic silica gel additive, and a pH stabilizer.