

ABSTRACT

An object is to provide a method for producing an aqueous hydrogen peroxide solution, which can effectively remove an impurity, such as silicic acid or a silicate, contained in an aqueous hydrogen peroxide solution. The method of the present invention for producing an aqueous hydrogen peroxide solution has a first step for contacting an aqueous hydrogen peroxide solution with activated alumina which has been cleaned with purified water, and a second step for, after the first step, contacting the resultant aqueous hydrogen peroxide solution with a cation-exchange resin. The cation-exchange resin is preferably a hydrogen ion-type, strongly acid cation-exchange resin having a sulfonic acid group. The aqueous hydrogen peroxide solution being in contact with the activated alumina and the cation-exchange resin preferably has a temperature of 30°C or lower.