

ABSTRACT OF THE DISCLOSURE

Disclosed is a method for removing hydrogen peroxide from a sulfuric acid-hydrogen peroxide solution and a processing agent for the method. The method includes a step of selectively adding appropriate amount of nitric acid or the processing agent into the solution containing sulfuric acid and hydrogen peroxide to reduce hydrogen peroxide so as to obtain a product solution. The method has an initial reaction temperature between 45°C and 60 °C. The processing agent comprises nitric acid with a weight percent concentration of 0.05%-5.09%(w/w) and sulfuric acid with a weight percent concentration of 91.0%-97.9%(w/w), and a volume ratio of the solution to the processing agent is 20:1 to 5:1. Therefore, the product solution obtained by the method is able to be recycled and re-used.

Figure 1