US Patent: Process for Producing Glucosamine and Acetyl Glucosamine by Microwave Technique

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A process for producing glucosamine and acetyl glucosamine by using microwave technique, comprising following steps: (1) providing a chitin or chitosan source formed by a microorganism; (2) adding hydrochloric acid solution having concentration of 2N - 6N into said chitin or chitosan source to form a reaction solution; (3) placing said reaction solution in a microwave device and heating therein at power of 700 - 2100 Watt to carry out hydrolytic reaction such that chitin or chitosan is hydrolyzed into glucosamine or acetyl glucosamine.