

Mikrokapsułkowanie białek - metody i zastosowanie

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Protein microencapsulation – methods and application

Summary

Biomaterials extracted from natural environment may cause several serious problems due to their low stability. More efficient and safe procedures of their stabilization are still demanded to meet the industry requirements. Microencapsulation is one of the possible methods to prolong the action time of active compounds.

This paper reports the techniques for preparing microcapsules and their applications with reference to extremely troublesome materials such as native proteins. Special attention is paid to current achievements in microencapsulation and perspectives for the next years, and advantages of this technique. The technology enables reactive or sensitive biomaterials such as enzymes to be turned into stable ingredients. With carefully controlled and fine-tuned release capabilities, microencapsulation is no longer only an added value technique, but the source of totally new systems with matchless properties.

Key words:

microencapsulation, enzyme, stabilization of biomaterials

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