Beta-carotene

Beta-carotene microencapsulation process

(See

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Beta-carotene microencapsulation process



Optimized microencapsulation process of beta-carotene extract by spray drying technique to enable the addition of beta-carotene in hydrophilic systems (food and pharmaceutical preparations) and to provide greater stability during processing and storage.

Applications

- + Food industry.
- + Pharmaceutical industry.

Advantages

- + Formation of a barrier between the beta-carotene and the external environment, protecting it from humidity, light, oxygen, and preventing the loss of its antioxidant properties.
- + Increased efficiency in the microencapsulation process of the extract rich in beta-carotene.
- + Protection of beta-carotene's antioxidant properties.
- + Adding value to palm oil agro-industry residues to obtain an input with greater stability and shelf life.

Stage TRL/MRL 3 - Lab scale

Take this technology to another stage

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+ Information



Research with us for other potential uses



Make this technology the basis of your incubated company