



Drying of soft-gelatin capsules

Project Leader: William Brennan

Objectives

To determine the parameters that affect the drying of soft-gelatin capsules.

Importance

Soft gelatin capsules (softgels) are used to deliver pharmaceuticals and dietary supplements and also for bath oils and paintballs. The manufacturing of softgels involves four main steps: preparation of the fill material and gelatin, encapsulation, drying, and inspection and packaging. After encapsulation, the softgel capsules are softy and sticky due to their high moisture content. The capsules must be dried to allow easy handling by increasing their rigidity and reducing their stickiness. Improvements in the drying would shorten the total manufacturing time of the softgels allowing the product to quickly reach its market.

Sponsors

Accucaps Industries Ltd.
Materials and Manufacturing Ontario
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