

Title (en)
Lyophilization method and system therefor

Title (de)
Gefriertrocknungsverfahren sowie System dafür

Title (fr)
Procédé de lyophilisation et système correspondant

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Application
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Abstract (en)
The object of the present invention is a lyophilization method for food or pharmaceutical substances and, in particular, a continuous lyophilization method of said substances comprising the following successive steps: - providing a mixture containing at least one substance to be lyophilized, and at least one vehicle substance to be sublimed; - causing said mixture to undergo a nebulization treatment in order to form fine droplets; - flash freezing said mixture droplets so as to form solid particles having discrete dimensions containing said at least one substance to be lyophilized and said at least one vehicle substance; - sublimating said frozen particles; - recovering the sublimation product in the form of solid aggregates having dimensions ranging between 5 and 500 microns. In addition, the invention relates to an equipment for the production of lyophilized substances so designed as to be capable of being operated in an essentially continuous manner.

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Citation (applicant)
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