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(54) Title: LYOPHILIZATION METHOD

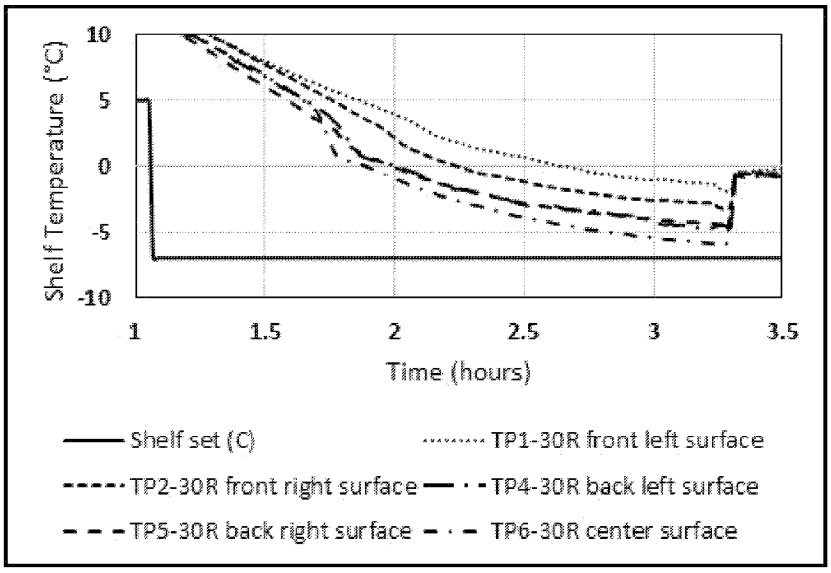


FIGURE 1

(57) Abstract: The disclosure provides a method of preparing a lyophilized protein composition, the method comprising (a) inducing ice nucleation in a liquid protein composition in a vial exposed to a first temperature of about -15° C to about -5° C for about 30 minutes to about five hours; (b) exposing the vial to a second temperature of about - 25° C to -50° C for a second period of time; and (c) drying the composition of (b) at a third temperature of about 0° C to about 40° C, resulting in a vial comprising a lyophilized protein composition having a fill aspect ratio of greater than or equal to about 0.75. The disclosure further provides a lyophilized protein composition prepared via the method described herein.

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