



Available Issues Ja	<u>panese</u>			
Author:	ADVA	NCED	Volume	Page
Keyword:	Sea	rch		
	Add to Favorite/Citation Articles Alerts	\mathbf{f}	Add to Favorite Publication	15

<u>TOP</u> > <u>Available Issues</u> > <u>Table of Contents</u> > <u>Abstract</u>

Food Science and Technology International, Tokyo

Vol. 3 (1997), No. 2 pp.130-133

Changes in Soy Protein during Heating Analyzed by Rheometry

Cedric LITTLE¹⁾, Jose M. AGUILERA¹⁾, Alfredo MORALES²⁾ ε

- 1) Department of Chemical Engineering and Bioprocesses, Uni Chile
- 2) Department of Food Science, Rutgers University

(Received: September 2, 1996)

Changes in the viscoelastic storage modulus (G') of a soybean flou content) during heating at constant temperature in the range of 60 t by pressure rheometry (3.44 MPa). G' varied due to three simultar softening, structuring and breakdown. The ratio G'_f/G'_0 measured \mathcal{E}_f of the heating period started to increase at 110°C, reached a maximal decreased at higher temperatures. This result has been related to te breakdown due to temperature in a thermoplastic extruder. A kine to simulate the effect of the three underlying phenomena.

Keywords: rheology, soybean flour, heating, texture, viscoelastic,

[PDF (511K)] [References]

Downlo

To cite this article:

Cedric LITTLE, Jose M. AGUILERA, Alfredo MORALES and in Soy Protein during Heating Analyzed by Pressure Rheome 133. (1997).

doi:10.3136/fsti9596t9798.3.130

JOI JST.JSTAGE/fsti9596t9798/3.130