

Accepted Manuscript

Effect of Air-dehydration Pretreatment before Freezing on the Electrical Impedance Characteristics and Texture of Carrots

Yasumasa Ando, Yuka Maeda, Koichi Mizutani, Naoto Wakatsuki, Shoji Hagiwara, Hiroshi Nabetani



PII: S0260-8774(15)00379-9

DOI: [10.1016/j.jfoodeng.2015.08.026](https://doi.org/10.1016/j.jfoodeng.2015.08.026)

Reference: JFOE 8303

To appear in: *Journal of Food Engineering*

Received Date: 18 May 2015

Revised Date: 18 August 2015

Accepted Date: 23 August 2015

Please cite this article as: Ando, Y., Maeda, Y., Mizutani, K., Wakatsuki, N., Hagiwara, S., Nabetani, H., Effect of Air-dehydration Pretreatment before Freezing on the Electrical Impedance Characteristics and Texture of Carrots, *Journal of Food Engineering* (2015), doi: 10.1016/j.jfoodeng.2015.08.026.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

**Effect of Air-dehydration Pretreatment before Freezing on the Electrical Impedance
Characteristics and Texture of Carrots**

Yasumasa ANDO ^{a,b}, Yuka MAEDA ^b, Koichi MIZUTANI ^{b,*}, Naoto WAKATSUKI ^b, Shoji
HAGIWARA ^a and Hiroshi NABETANI ^a

^a *Food Engineering Division, National Food Research Institute, NARO, 2-1-12 Kannondai,
Tsukuba, Ibaraki 305-8642, Japan.*

^b *Faculty of Engineering, Information and Systems, University of Tsukuba, 1-1-1 Tennohdai,
Tsukuba, Ibaraki 305-8573, Japan.*

Corresponding author: Koichi Mizutani, *Faculty of Engineering, Information and Systems,
University of Tsukuba Institute, 1-1-1 Tennohdai, Tsukuba, Ibaraki 305-8573, Japan.*

E-mail mizutani@iit.tsukuba.ac.jp

Tel +81-29-853-6474

Download English Version:

<https://daneshyari.com/en/article/6664957>

Download Persian Version:

<https://daneshyari.com/article/6664957>

[Daneshyari.com](https://daneshyari.com)