



Agricultural Journals

Czech Journal of

FOOD SCIENCES

[home](#) [page](#) [about us](#) [contact](#) 

us

Table of Contents

IN PRESS

CJFS 2014

CJFS 2013

CJFS 2012

CJFS 2011

CJFS 2010

CJFS 2009

CJFS 2008

CJFS 2007

CJFS 2006

CJFS 2005

CJFS 2004

CJFS 2003

CJFS 2002

CJFS 2001

CJFS Home

Editorial Board

For Authors

- **Authors Declaration**
- **Instruction to Authors**
- **Guide for Authors**
- **Copyright Statement**
- **Submission**

For Reviewers

- **Guide for Reviewers**
- **Reviewers Login**

Subscription

Czech J. Food Sci.

I. Horsáková, M.

Voldřich, M. Čeřovský,

**P. Sedláčková, P. Šicnerová, P. Ulbrich:
Asaia sp. as a
Bacterium Decaying
the Packaged Still
Fruit Beverages**

Czech J. Food Sci., 27 (2009): S362-S365

Several cases of consumer complaints to the still soft beverages – fruit drinks and ice teas were analysed. The visible impurities and slight sensory changes were observed, sediment was formed by microbial cells. The bacteria were isolated and identified as *Asaia* sp. The identification was confirmed by PCR technique. The sensitivity of bacteria to preservative agents especially to the sodium benzoate, potassium sorbate and dimethyldicarbonate was evaluated in model samples and in the real conditions of the beverage. The minimal inhibitory concentrations were estimated as well as the factors affecting the sensitivity of bacteria. Besides the stabilisation of drinks the general possibilities of decay

prevention were considered, the efficiency of cleaning and sanitation procedures were evaluated, including the comparison of various sanitation agents.

Keywords:

Asaia sp.; fruit drink; preservative; benzoate; sorbate; dimethyldicarbonate

[[fulltext](#)]

© 2011 [Czech Academy of Agricultural Sciences](#)

XHTML11 VALID

CSS VALID