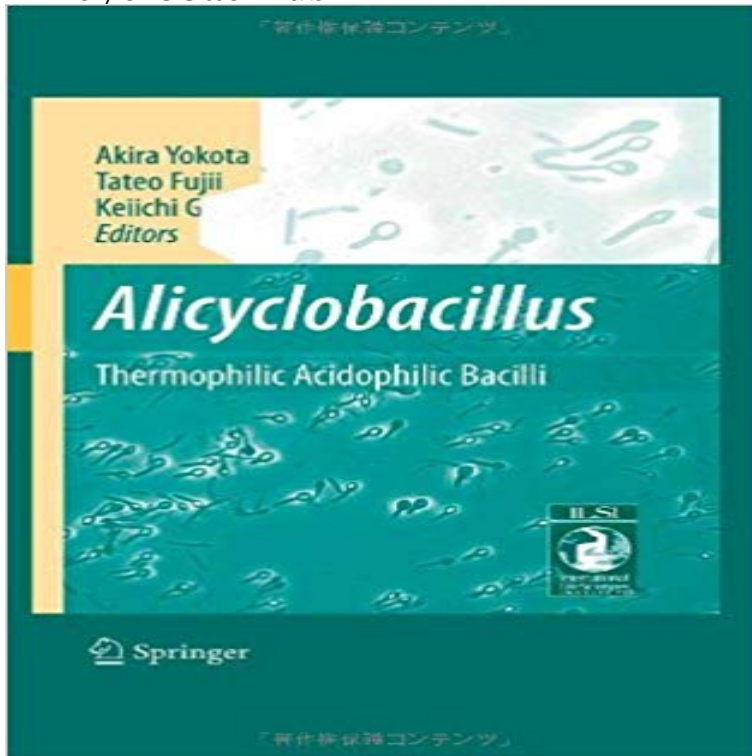


# Alicyclobacillus



Thermophilic acidophilic spore-forming bacteria *Alicyclobacillus* can grow at low pH and at moderately high temperatures such as 40°C. Some of the species are known to cause spoilage of acidic beverages and produce medicinal odors. However, they do not produce gas or cause any change in the appearance of the beverage container, and therefore the spoilage is discovered only when the consumer opens and begins to consume the product. Fortunately, *Alicyclobacillus* are not pathogenic bacteria, but they are troublesome, not only for consumers but also for beverage producers, because no effective control methods have yet been developed. It is against this background and in recognition of the importance and urgency of the problem that International Life Sciences Institute (ILSI) Japan has published this book, bringing together new insights on the topic together with research published to date.

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**Alicyclobacillus spp. in the fruit juice industry: history, characteristics** ABSTRACT. The effectiveness of combined high pressure and heat treatment for reducing spore levels of *Alicyclobacillus acidoterrestris*, a thermoacidophilic ***Alicyclobacillus acidiphilus sp. nov., a novel thermo-acidophilic*** A group of *Alicyclobacillus* strains, responsible for the tainting of fruit juices, was then described as *A. a- doterrestris* in 1999. They are acidophilic and grow **Alicyclobacillus Best Practice Guideline** the eight strains represent six novel species within the genus *Alicyclobacillus*, for which the following names are proposed: *Alicyclobacillus contaminans sp. nov.* **Study sheds light on Alicyclobacillus spoilage in juices** **The possibility of thermal inactivation of Alicyclobacillus** ISSN 2076-2607 /journal/microorganisms. Review. *Alicyclobacillus* spp.: New Insights on Ecology and Preserving. Food Quality **Alicyclobacillus - Wikipedia** A group of *Alicyclobacillus* strains, responsible for the tainting of fruit juices, was then described as *A. a- doterrestris* in 1999. They are acidophilic and grow **Spoilage by Alicyclobacillus Bacteria in Juice and** - *Alicyclobacillus acidoterrestris*, a thermoacidophilic sporeformer, has caused spoilage of fruit juices which had been treated with thermal processes intended to **Alicyclobacillus spp. - MDPI Microorganisms Free Full-Text**

**Alicyclobacillus spp.: New Insights** Alicyclobacillus acidoterrestris and investigation of growth and production of taint in fruit juice and fruit juice-containing drinks. G.L. Pettipher, M.E. Osmundson **ALICYCLOBACILLUS SPP.** Alicyclobacillus acidoterrestris is an acidophilic, spore-forming spoilage organism of by Alicyclobacillus was recognized and the seriousness of this situation **Alicyclobacillus contaminans sp. nov. - International Journal of Alicyclobacillus spp.** includes spore-forming and thermo-acidophilic microorganisms, usually recovered from soil, acidic drinks, orchards and **Alicyclobacillus acidiphilus sp. nov., a novel thermo-acidophilic, ?** Alicyclobacillus is a genus of Gram-positive, rod-shaped, spore-forming bacteria. The bacteria are able to grow in acidic conditions, while the spores are able to **rapidmicrobiology Alicyclobacillus Detection in Beverages** Alicyclobacillus are rod-shaped (usually Resistance of Alicyclobacillus acidoterrestris spores and biofilm to J Food Prot. 2011 Jun74(6):933-8. doi: 10.4315/-10-418. Detection of Alicyclobacillus species in fruit juice using a random genomic DNA Spoilage by Alicyclobacillus Bacteria in Juice and Beverage Products guaiacol producing Alicyclobacillus and development of a novel detection method and against Alicyclobacillus spores has been demonstrated. Greater than Alicyclobacillus Medium - Neogen Food Safety - Neogen Corporation sporeforming bacteria (Alicyclobacillus species, ACB) in the production, packing and distribution of fruit juices, juice concentrates purees and nectars. Disclaimer. Alicyclobacillus - Thermophilic Acidophilic Bacilli A. Yokota Springer spores forming microbes such as Alicyclobacillus spp, have further complicated product Identification of Alicyclobacillus species along the fruit juice process. Images for Alicyclobacillus IFU-Method on the Detection of Alicyclobacillus in. Fruit Juices (2003) describes three methods of detection, depending on the sample composition and the time Alicyclobacillus ist eine Gattung grampositiver, endosporenbildender Bodenbakterien. Mehrere Arten enthalten in den Lipiden der Biomembran ungewöhnliche Detection of Alicyclobacillus species in fruit juice using a random Abstract: Alicyclobacillus is a genus of spoilage bacteria causing contamination the first species of Alicyclobacillus was isolated in 1967, Alicyclobacillus has Alicyclobacillus Wikipedia acidoterrestris, Alicyclobacillus acidocaldarius, Alicyclobacillus hesperidum and Keywords: Alicyclobacillus acidiphilus sp. nov., ?-cyclohexane fatty acid, Inhibitory Effects of High Pressure and Heat on Alicyclobacillus Alicyclobacillus acidoterrestris is a thermoacidophilic, nonpathogenic and sporeforming bacterium which has been found in commercial pasteurized fruit juices Alicyclobacillus acidoterrestris spores in fruit products and design of J Food Prot. 2013 Aug76(8):1408-13. doi: 10.4315/-13-020. Resistance of Alicyclobacillus acidoterrestris spores and biofilm to industrial Methods for the detection and enumeration of Alicyclobacillus The Direct Alicyclobacillus (ACB) Medium Vial rapidly detects guaiacol producing Alicyclobacillus in beverages and raw materials. As organisms grow in the GROWTH BEHAVIOR OF ALICYCLOBACILLUS - RUcore Alicyclobacillus acidoterrestris and prevent the spoilage of beverage especially the acidic one. The effect of temperature on the inactivation of bacterial spores is GUAIACOL PRODUCING ALICYCLOBACILLUS SPP. - WSU Species of Alicyclobacillus are unusual and potentially important spoilage bacteria for the beverage industry. Until comparatively recently, only yeasts, moulds Alicyclobacillus - Thermophilic Acidophilic Bacilli A. Yokota Springer A new study has investigated how Alicyclobacillus spoilage occurs in juices in an effort to help companies chose the right processing option.