Analytics
Cider
Fining Agents
New Product Launches
Market Price Report
Process Technology

INTERNATIONAL JOURNAL FOR THE FRUIT PROCESSING, JUICE AND SOFT DRINKS PRODUCING INDUSTRY



Cider - An apple (drink) a day...

How GEA helps cider manufacturers equip new and existing systems for the latest beverage trend

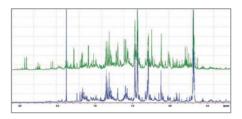


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ANALYTICS

Dr Nicole Lehnert, Mirjam Schmidt, Dr Victor Ara





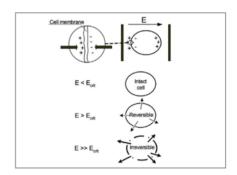
The adulteration of lemon juices and lemon juice concentrates is still a topic. Laboratories face the challenge of verifying and confirming the authenticity of juices and concentrates. In recent years, we analyzed customer and market samples. Through observation, we found out that the adulteration of lemon juices and lemon juice concentrates with lime proportion is still a current topic. Often, the evaluation by laboratories is not consistent so that there are several interpretation

possibilities. This article is intended to clarify this issue. In addition, results of nuclear magnetic resonance spectroscopic analyses (NMR) of extracts will be presented ...

PROCESS TECHNOLOGY

Michael A. Kempkes

Pulsed Electric Field (PEF) processing is an exciting new tool for food processors, with a range of potential applications, which can save time, energy, and money over conventional processes, such as slicing, extraction, and drying. PEF uses short, high voltage pulses to open (electroporate) membranes in cells – whether they are microbes, plant cells, or even animal tissue. Compared to conventional techniques, PEF uses very little energy or time, creating a number of new opportunities for food processing, and significantly lowers the costs of slicing, drying, and extraction, with minimal impact on the food itself. ...



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FINING AGENTS

Dr Ilona Schneider, Philipp Schwabe

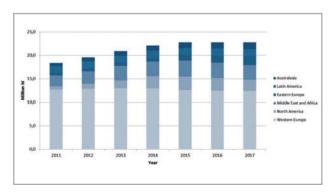
Juices are highly popular. Year after year, juices are extracted from a wide variety of fruits and vegetables and brought to market. It is up to the consumers to decide whether they prefer naturally cloudy or clear juices. For those who decide on clear juices, it may also be important (for health, ethical, or religious reasons) that the juices are manufactured without the use of animal additives, such as gelatin. Until recently, due to the high degree of turbidity in red fruit juices such as sour cherry and black currant, clarification and stabilization could only be achieved with an increased dose of fining agents, and ideally by adding gelatin. Thanks to the combination of plant proteins (as a sub-



stitute for gelatin) that are permitted food additives^[1] pursuant to the German Fruit Juice and Soft Drink Directive (Fr-SaftErfrischGetrV) and a balanced filtration process, even colored vegan juices can now be produced ...

CIDER

Torben Bauch



Cider, cidre, sidra – with and without alcohol, gentle and sweet or sharp and crisp, pure apple or with other fruity aromas – brewed by small craft producers or in large-scale facilities: The fermented apple drink is as varied as its name, and now everyone is talking about the one of the world's most dynamic growth markets for alcoholic beverages. Especially Eastern Europeans, Australians and South Africans are growing ever fonder of the beverage and are catching up with the traditional markets of the United Kingdom, Ireland, France and North America ...

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