



# Next Hangover, Reach for ProPectin®

An Easy, Quick and  
Delicious Solution

To help combat the hangover effects  
caused by the toxins created in the body  
by an over-consumption of alcohol,  
ProPectin® offers an ideal solution.



# Why People Get Hangovers

There are a number of factors that contribute to the unpleasant feelings people experience after consuming alcoholic drinks.

**Symptoms** > **24**  
can continue for up to hours

Fatigue and weakness

**Thirst**

Headaches and muscle aches

Nausea

Poor or decreased sleep

Increased sensitivity to light and sound

**Dizziness**

Shakiness

**Decreased ability to concentrate**

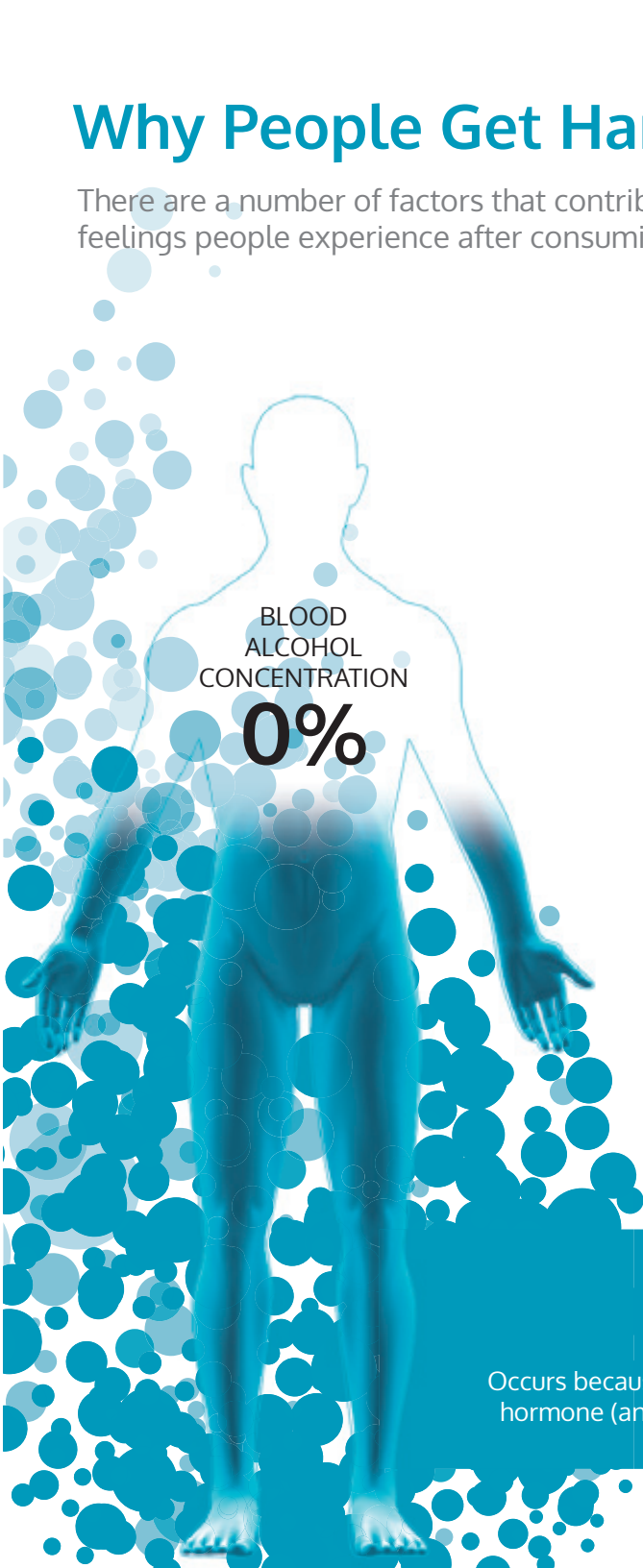
Mood disturbances and rapid heartbeat

## Dehydration

Occurs because alcohol promotes urine production by inhibiting the release of a hormone (an antidiuretic hormone called vasopressin) from the pituitary gland.

BLOOD  
ALCOHOL  
CONCENTRATION

**0%**



# Toxins May Be the Real Problem

Some researchers believe it is not dehydration that causes a person's discomfort during a hangover – it is the toxins and preservatives in alcohol.



ACETATE

Aldehyde  
dehydrogenase  
(ALDH)

ACETALDEHYDE

ALCOHOL

## TOXIC EFFECTS



COLD  
SWEATING



VOMITING  
AND NAUSEA



DIARRHEA

High levels of alcohol consumption can produce:

1. **Fatty liver**, due to an accumulation of fat compounds called triglycerides and their components, such as free fatty acids, in liver cells.
2. **Increases the production of gastric acid as well as pancreatic and intestinal secretions**, all of which can contribute to gastrointestinal problems.
3. **Builds up lactic acid, in body fluids**, which can inhibit glucose production and result in low blood sugar levels.

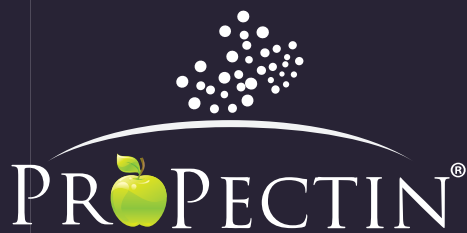


# It's the Microbes' Fault

Microbes are tiny, microscopic organisms that are found everywhere – in plants and animals as well as in the human body. Some microbes cause disease while others are essential for a healthy life, and we need them to exist.

In a recent article published in **The Guardian**, **Tim Spector**, a professor of genetic epidemiology at King's College London, writes that a 2014 study involving 25 healthy volunteers conducted in the United States explored for the first time what binge drinking does to a person's microbes:

*Those with the worst symptoms and changes in blood tests had the highest levels of toxins coming from the cell walls of their gut microbes. These toxins (called LPS) had somehow leaked out of their intestines, as a result of the inflammation the alcohol had produced. Within their guts the alcohol produced a brief, but large increase in the microbe species that were pro-inflammatory, stimulating the immune system as if it were under attack and contributing to the general sick-feeling so typical of hangovers.*

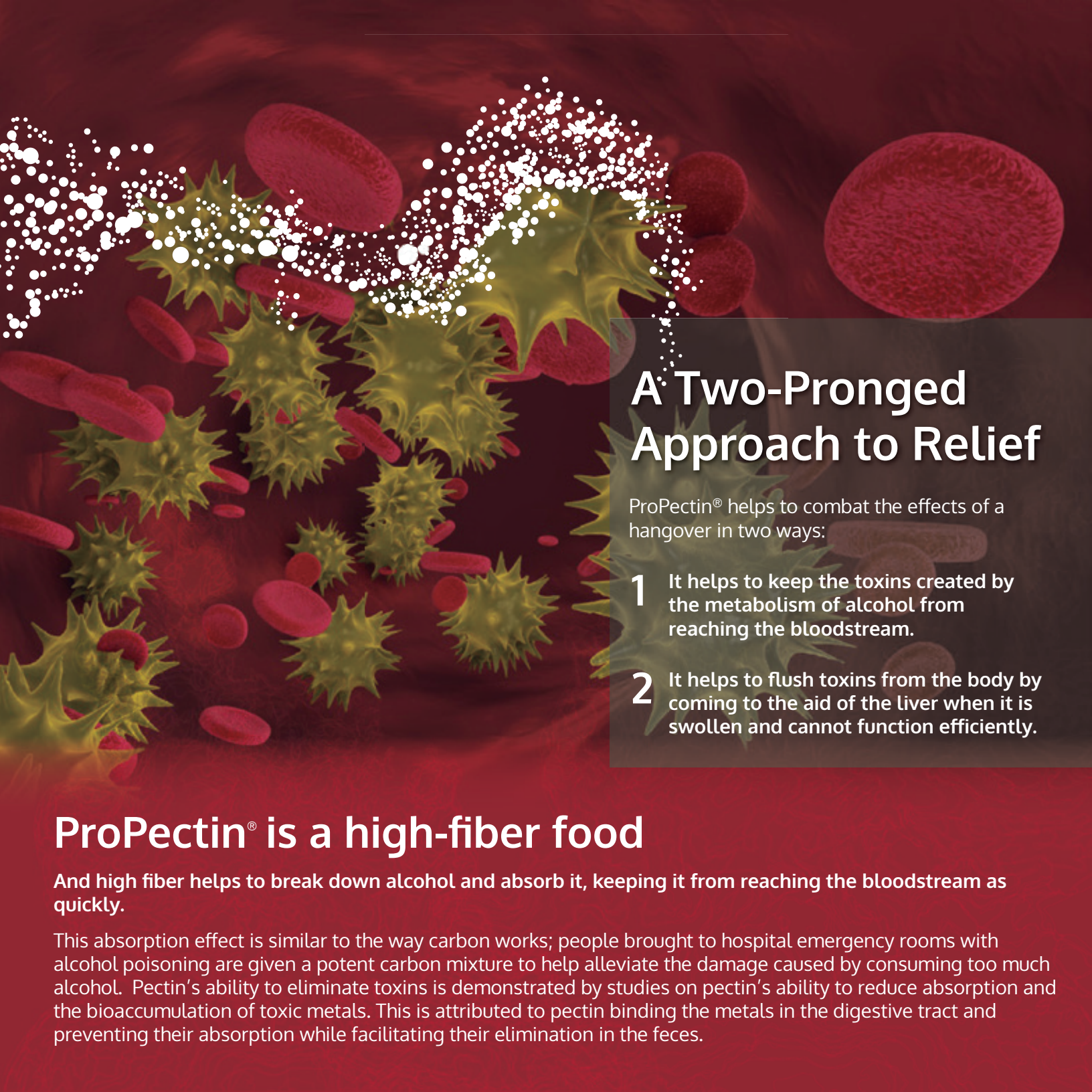


# Get rid of harmful toxins

## that accumulate after consuming alcoholic beverages

Apple pectin studies prove that this natural, high-fiber product is safe and effective when it comes to flushing toxins out of the body. For those who may drink too many alcohol beverages, especially in a short period of time, consuming one sachet of ProPectin dissolved in a glass of water as soon as possible may help absorb the toxins and flush them from the body before they can produce uncomfortable effects.





## A Two-Pronged Approach to Relief

ProPectin® helps to combat the effects of a hangover in two ways:

- 1 It helps to keep the toxins created by the metabolism of alcohol from reaching the bloodstream.
- 2 It helps to flush toxins from the body by coming to the aid of the liver when it is swollen and cannot function efficiently.

## ProPectin® is a high-fiber food

And high fiber helps to break down alcohol and absorb it, keeping it from reaching the bloodstream as quickly.

This absorption effect is similar to the way carbon works; people brought to hospital emergency rooms with alcohol poisoning are given a potent carbon mixture to help alleviate the damage caused by consuming too much alcohol. Pectin's ability to eliminate toxins is demonstrated by studies on pectin's ability to reduce absorption and the bioaccumulation of toxic metals. This is attributed to pectin binding the metals in the digestive tract and preventing their absorption while facilitating their elimination in the feces.

# ProPectin® Is Proven Effective in Removing Dangerous Toxins

ProPectin's ability to remove toxic matter from the body has been verified in a recent study conducted by Centre D'Etude & De Valorisation Des Algues (CEVA), France.

After using

**4.8grams**

Of ProPectin® to study the Chelation process

ProPectin® removed

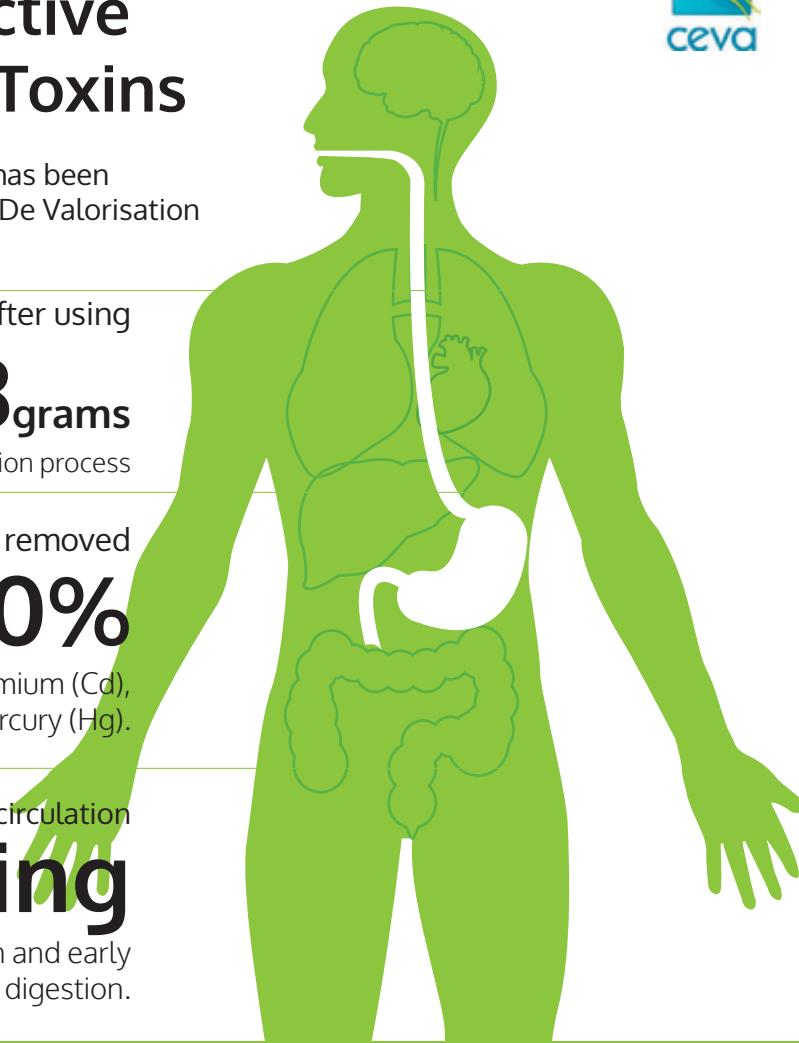
**98%-100%**

Of heavy metals Lead (Pb), Cadmium (Cd),  
Tin (Sn) and Mercury (Hg).

Which means, the metals were not transferred to blood circulation

## Preventing

their potentially detrimental effects during stomach and early  
intestinal phases of digestion.



Is the only apple pectin product on the market that is 100% soluble,  
absorbs quickly for maximum effectiveness.



Contains

**3grams**  
of apple pectin in  
each sachet packet.

**100%**  
Pharmaceutical-grade  
apple pectin.

**4.5x**  
more effective than any  
other apple pectin  
product on the market.





So, the next time you have a great and fun night,  
**have ProPectin<sup>®</sup> by your side**  
to eliminate unpleasant hangovers!

**ORDER YOUR SUPPLY NOW**

[www.propectin.com](http://www.propectin.com)