

Quality is our Passion  
Passion Flower (*Passiflora incarnata*)

## ChelaCo: Elimivative Support that Grabs!

ChelaCo is a unique combination of Garlic bulb, concentrated Milk Thistle seed extract and Hawthorn flowering herb that supports the body's natural defenses against environmental insult. Each of the herbs in ChelaCo is 'standardized' – this means they contain a certain amount of important constituents.\*

## How ChelaCo Keeps You Healthy

**Supports the body's natural defenses against environmental insult, encourages the healthy function of the organs of elimination and supports normal cellular defenses**

In an uncontrolled trial, a Garlic supplement was found to support good health in workers exposed to pollution in an industrial setting. The trial researchers compared the initial test results with those obtained after one to three months' use of Garlic. They suggested that Garlic may have helped cleanse the worker's intestines. The sulfur constituents of Garlic may have done this by chelating or grabbing any intestinal toxins that may have been present. The toxins could then be eliminated from the body in the feces.<sup>1\*</sup>

A diet rich in polyphenolic compounds such as flavonoids and procyanidins from, for example, fruit, vegetables and pulses (legumes: peas, beans, lentils), supports good health, particularly in the gastrointestinal (GI) tract.<sup>2,3</sup> These compounds are thought to help keep the stomach and intestines healthy from reactive substances present in foods or generated within these organs. The flavonoids and procyanidins are in contact with the tissues of the GI tract after being swallowed, so their beneficial effect might be due to direct contact.<sup>2,4</sup> They might also increase levels of normal toxin-metabolizing or antioxidant defense enzymes in the GI tract. (Antioxidants help protect cells from the damaging effects of excessive free radicals (highly reactive substances created in the body).) There is also another way that these polyphenolic constituents may help. Dietary iron is usually not completely absorbed, especially among those on a typical western diet. Unabsorbed dietary iron enters the feces, where it could provide a challenge to the large intestine. Polyphenolic compounds, by chelating (grabbing) iron may help to alleviate the oxidizing actions of intestinal iron.<sup>2</sup> As the leaf and flower of Hawthorn contains flavonoids and procyanidins they may support the body's natural defenses against environmental insult and support the healthy function of the large intestine.\*

A review of controlled clinical trials found that concentrated Milk Thistle seed extract may support liver function by helping ensure the integrity of liver cells.<sup>5</sup> The flavanolignans of Milk Thistle do this by providing protection from the damaging effects of excessive free radicals,<sup>6,7</sup> and by eliminating toxins.<sup>6\*</sup>

### Supplement Facts

Serving size:	1 tablet	
Servings per container:	40	
Amount per Serving		%DV
Calories	2	
Calcium	75 mg	7%
Hawthorn herb flowering tops 3:1 extract from <i>Crataegus monogyna</i> herb flowering tops 300 mg	100 mg	†
Containing vitexin-2-rhamnoside 2.0 mg		
Containing catechin polymers 3.5 mg		
Milk Thistle fruit 70:1 extract from <i>Silybum marianum</i> fruit 7.0 g	100 mg	†
Containing flavanolignans calc. as silybin 80 mg		
Garlic ( <i>Allium sativum</i> ) bulb powder	100 mg	†
Containing alliin 2.0 mg		

† Daily Value (DV) not established.

Other ingredients: Cellulose, calcium acid phosphate, sodium starch glycolate, enteric coating, hypromellose and magnesium stearate.

**Caution:** Contraindicated in lactation. Not to be used during pregnancy unless otherwise directed by a qualified health care professional. In anemia and cases where iron supplementation is required, do not take simultaneously with meals or iron supplements. Contraindicated in known allergy to Garlic.

**Product No** M1197  
**Content** 40 Tablets



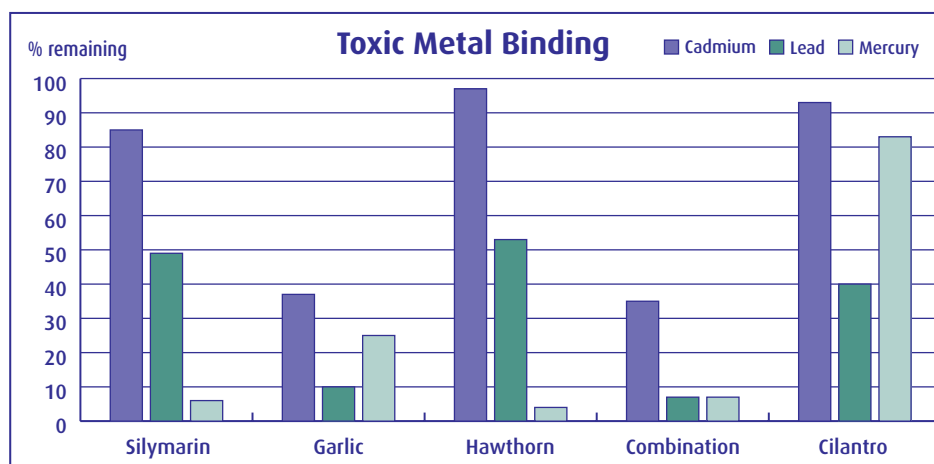
Associate Professor Kerry Bone  
MediHerb Co-Founder and  
Director of Research and Development

### A Phytotherapist's Passion

"Philosopher and teacher Rudolf Steiner once said that, for every human illness, somewhere in the world there exists a plant which is the cure. I believe that there is a healing potential locked inside plants which is integral with their evolution, just as it is part of human evolution to learn to tap this wonderful gift of Nature."

We are increasingly exposed to environmental pollutants. Toxic metals occur naturally in the environment and as a byproduct of industrialization. Exposure to toxic metals can occur from cigarette smoking, dental amalgams, leaded gasoline, lead paints (which may be found in old houses), water, air, cosmetics and also food such as fish.<sup>8\*</sup>

The chelating or binding of toxic metals by herbs has been evaluated in test tube experiments. The following graph shows the results for concentrated Milk Thistle seed extract (Silymarin), Garlic, Hawthorn leaf and flower, a combination of these three herbs, and Cilantro. (Cilantro is an herb that is often assumed to be a good binder of toxic metals.) The closer the value to 0% the better the binding (because the herb grabs the metal), the closer the value to 100% the less active the herb. The results indicate that the best binding occurs with the combination of concentrated Milk Thistle seed extract (Silymarin), Garlic and Hawthorn. Interestingly, Cilantro showed very poor binding activity.\*



## What Makes ChelaCo Unique

ChelaCo is unique in the professional herbal products industry because:

- The label states exactly how much each tablet contains of the important plant constituents (alliin, flavanolignans (as silybin), catechin polymers and vitexin-2-rhamnoside)
- MediHerb tests raw materials for the quantity of:
  - alliin in Garlic
  - flavanolignans in Milk Thistle
  - catechin polymers and vitexin-2-rhamnoside in Hawthorn
- MediHerb tests that alliinase is present and most importantly, is active in Garlic raw material

## Unique Manufacture & Analytical Testing

### Quality and safety ensured

- Manufactured in Australia to the high standards of international pharmaceutical Good Manufacturing Practice
- Raw materials and finished product are subjected to tough quality standards, including use of the latest and most relevant chemical analysis methods

### References

- 1 Petkov V. J Ethnopharmacol 1986; 15: 121-132
- 2 Halliwell B. Cardiovasc Res 2007; 73(2): 341-347
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- 4 Gee JM, Johnson IT. Curr Med Chem 2001; 8(11): 1245-1255
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- 6 Wellington K, Jarvis B. BioDrugs 2001; 15(7): 465-489
- 7 Fraschini F, Demartini G, Esposti D. Clin Drug Invest 2002; 22(1): 51-65
- 8 Nash RA. Altern Ther Health Med 2005; 11(4): 18-25



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## Quality is our Passion

MediHerb products are developed by experts and leaders in the field of herbal therapy, using scientific evidence and hundreds of years of traditional knowledge.

Kerry Bone and over 20 health care professionals work within MediHerb while still managing their own clinical practices, plus we consult with an advisory board of health care professionals from around the world.

Our products are made using only the highest quality ingredients which are extensively tested for purity and potency. The MediHerb manufacturing plant operates to a strictly regulated pharmaceutical standard and is regularly audited by the Therapeutic Goods Administration (similar to the FDA), the same body that audits conventional pharmaceutical manufacturing facilities. The comprehensive regulations in Australia mean that you receive a safe and effective product that has been manufactured to pharmaceutical standards.

We know from our experience as health care professionals that the quality of a product you take makes a huge difference to the health outcome you experience. We dedicate ourselves to researching and making the best possible products to deliver health solutions that work.



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