



ViaZen Liver-Detox Spec Sheet

FOR HEALTH PROFESSIONALS

Presentation

60 capsules

Anticipated results

- Hepato-regenerator
- Better bile production and secretion
- Improvement of liver detoxification process
- Anticancer protection

Who needs ViaZen Liver-Detox?

This product has been specially developed to optimize the liver detoxification process naturally and without side effects. It will be used in the presence of one or more clinical symptoms listed below in Table 1.



Secondary anticipated results

- Better intestinal motility
- Constipation relief
- Normalization of hepatic enzymes
- Normalization of blood cholesterol
- Normalization of blood triglycerides
- Reduction of oxidative stress
- Slowing down of aging process
- Disappearance of discomfort in liver area (cramping, heaviness, pain)
- Better glycemic balance
- Improvement of renal function
- Increase of vital energy

Table 1: Clinical manifestations of hepatic intoxication

- Bad breath
- Bitter and doughy mouth
- Blood glucose disorders
- Complexion blurred
- Constipation

- Dark circles under the eyes
- Feeling of heaviness after eating
- Headache and migraines
- Hepatic failure
- Hepatic steatosis

- Hypercholesterolemia
- Hypertriglyceridemia
- Joint pain (gout)
- Lack of appetite in the morning
- Nausea

- Nightly awakenings
- Skin problems (acne, eczema, dermatitis)
- Tiredness
- Trouble digesting fatty foods
- White and loaded tongue

Medicinal ingredients of ViaZen Liver-Detox

The ingredients' synergy of ViaZen Liver-Detox is the key of the effectiveness of this SUPERIOR FORMULA.

Active ingredients		Dosage (per capsule):	Daily dosage (for 2 capsules):
Milk thistle seed (<i>Silybum marianum</i>)	30:1 extract, providing 120 mg de silymarin equivalent to 4500 mg of crude material per capsule	150 mg	300 mg
Artichoke leaf (<i>Cynara cardunculus</i>)	12:1 extract, providing 5 mg of cynarin equivalent to 1200 mg of crude material per capsule	100 mg	200 mg
DL-alpha-lipoic acid		100 mg	200 mg
Dandelion root (<i>Taraxacum officinale</i>)	10:1 extract equivalent à 750 mg of crude material per capsule	75 mg	150 mg
Choline (<i>bitartrate</i>)		20,66 mg	41,32 mg
Sprouting broccoli (<i>Brassica oleracea italica</i>)		50 mg	100 mg
Elemental zinc (<i>providing from zinc gluconate</i>)		7,2 mg	14,4 mg

Note : ViaZen Liver-Detox is free of wheat, soya, corn, yeast, peanut, gluten, egg and dairy products. It does not contain preservatives, sweeteners, colouring agents, artificial flavours and is exempt of GMO.

Non-medicinal ingredients

Microcrystalline cellulose, vegetable magnesium stearate, gelatine.

Recommended use

Viazen Liver-Detox will be taken as a cure, to support liver functions. The dosage is 2 capsules daily with food, for a minimum period of three consecutive weeks. The benefits will begin to be felt after a few days of use, but the optimal results will appear after three weeks of treatment. Ingest Viazen Liver-Detox a few hours before or after taking other medication.

In order to fully benefit the product, it is important to drink a minimum of 1,5 liters of water per day.

Action mechanisms

Viazen Liver-Detox is designed to allow an optimal liver detoxification process, by improving the physiological and metabolic liver cells activities. These functions are the center part of the management mechanisms of the toxic components gravitating in the body, whether endogenous or exogenous. The complementary of Viazen Liver-Detox medicinal ingredients provides a large pool of active molecules that will relay to improve the efficiency of this product.

Milk Thistle extract is a crucial part of the therapeutic activity of Viazen Liver-Detox. This medicinal plant is proven, since it is successfully used for 2000 years, to treat liver and biliary diseases. Silymarin, particularly concentrated in the mature seed, is the active substance responsible for the benefits of the plant. It includes a mixture of components whose main is the silybin. Commission E and the World Health Organization recognize the use of milk thistle extract standardized to 70-80% silymarin, to treat liver poisoning, but also as a complementary treatment of hepatitis and liver cirrhosis. Silymarin acts directly on hepatocytes by promoting their regeneration, minimizing enzyme transaminase (AST and ALT) and by increasing the antioxidant enzyme glutathione peroxidase (GPX). Furthermore, clinical trials in humans indicate that silymarin promotes the reduction of blood cholesterol (total cholesterol and LDL) and of triglycerides. Systematically, it prevents peroxidation of membranes lipids and in doing so it increases membranes cells stability. Finally, it has anti-carcinogenic properties and it has been shown that it has the ability to slow the growth of human cancer cells.

Dandelion root extract has been incorporated into the formula for its stimulating effect on hepatobiliary functions, but also for its benefits to the urinary system, which contribute to facilitate the excretion of detoxication metabolites via the bile and urine. Bitter principles of dandelion root and its sesquiterpene lactones are responsible for these health benefits. Furthermore, the presence of inulin promotes the growth of beneficial intestinal bacteria to maintain an optimal microbiota.

As for the **leaf extract of artichoke**, its phenolic compounds (chlorogenic acid, narirutin, apigenin-7- rutinoside, cynarin), and its anthocyanins (cyanidin, peonidine, delphinidin), also participate in hepatobiliary and urinary regulation. This, by diuretic and choleric effects, and by cholesterol and serum lipid reducer. In addition, several in vitro studies demonstrated that artichoke extracts offer hepatoprotective properties against a variety of toxic components.

The addition of **choline** complemented the regularity of hepatocytes activities and the management of lipid molecules in the blood circulation. This nutrient, named lipotropic

agent, participates in lipids degradation, and promotes their exit of intestinal and hepatic cells. In addition, it prevents the accumulation of fat deposits at the level of the liver, of the arterial walls and other body's organs. The organism can synthesize choline, but supplementation will be a protective effect because a nutritional deficiency causes damage to the liver. A study showed that supplementation with choline for 24 weeks in patients receiving parenteral nutrition, has eliminated fatty liver disease in all patients, in addition to reducing liver enzymes levels: AST, ALT, GGT and alkaline phosphatase.

To be equipped with maximum efficiency, a detoxification cure must provide powerful antioxidant support. The incorporation of the **alpha-lipoic acid** (ALA), a sulphur acid present in all cells of the body, meets this criterion. ALA is often called the universal antioxidant because it provides antioxidant protection in a wide variety of physiological conditions. ALA has the advantage of being soluble in water (water soluble) and in fat (fat soluble), allowing neutralization of many types of free radicals. Since it is an essential cofactor for mitochondria bioenergy enzymes, it plays a key role in the production of cellular energy. Its antioxidant properties are varied: it regenerates endogenous antioxidants, it ensures their repair from oxidative damages and the neutralization of reactive oxygen molecules. Also, it increases glutathione and superoxide dismutase (SOD) production, two important cellular antioxidant enzymes. It contravenes lipids peroxidation of cellular membranes, and thus increases the oxidative tolerance of tissues. It has also the property of partially recycling other antioxidants, including vitamin E, vitamin C and glutathione, thus increasing their life and effectiveness. Finally, it has the ability to chelate toxic metals, such as arsenic, cadmium and mercury. In complementarity, several studies in humans showed that ALA reduces levels of blood lipids (total cholesterol, LDL and TG).

Zinc supports the antioxidant action of ALA. This trace element, whose content is only about 2 g in the body, is also present in all cells of the body, and it plays a very important role, since it is a cofactor for more than 100 different enzymes necessary to the metabolism regulation. More specifically, it is required for the maintenance of the integrity of cell membranes, and it allows the activation of SOD in the cytosol.

Broccoli sprouts enrich the formula by their content in indoles (indole-3-acetonitrile, indole-3-carbinol (13C) and 3,3'- diindolylmethane (DIM) and the isothiocyanates, which have anti-cancer properties. These bioactive molecules metabolize carcinogenic substances in most polar molecules (water soluble) and make them easier to excrete without causing cellular damages.

Cautions

- Consult a health care practitioner if symptoms persist or worsen and prior to use if you are pregnant or breastfeeding.
- Consult a health care practitioner if you have gallstones, liver or gallbladder diseases.
- Consult a health care practitioner if you have an intestinal obstruction.
- Consult a health care practitioner if you have diabetes or if you are taking blood thinners.

Contraindications

- Do not use if you are allergic to the Asteraceae family plants.
- Do not use if you have a bile duct obstruction.
- Hypersensitivity, such as allergy, has been known to occur; in which case, stop the use.

References

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