



A. Vogel Ginkgoforce Fresh Ginkgo biloba extract

DIN-HM 80030239

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- ✓ Ginkgo biloba is a powerful antioxidant.
- ✓ No toxic solvents have been used to extract all the active ingredients of the fresh Ginkgo biloba leaf for Ginkgoforce.
- ✓ Efficacy clinically proven
- ✓ Sugar-, gluten- and lactose-free

The Ginkgo extract contained in Ginkgoforce is not standardized on one active principle since the synergy of all the components is necessary for optimal efficacy. Ginkgoforce thus contains all the active principles of the Ginkgo leaf: flavonoids (often called ginkgolides or bilobides), terpenes, carotenes, etc.

Historical Overview

In traditional Chinese pharmacopoeia, Ginkgo dried fruit (Yin Xing) and leaf (Yin Xing Ye) were used mainly to treat asthma and phlegm problems.(1) In America, Ginkgo became popular after several studies demonstrated its effect on dementia (Alzheimer) and memory loss associated with arteriosclerosis

Actions and pharmacology

Ginkgo is known for its vasodilator, antioxidant, neuroprotective and PAF (platelet-activating factor) inhibiting properties. Ginkgo extract promotes increased blood flow to extremities, which explains its usefulness in vascular occlusive diseases such as intermittent claudication (Raynaud's disease). The same mechanism of action could explain its effect on memory and mental faculties. This vasodilator activity increases with age, providing an optimal action on arteriosclerosis and blood flow in elderly patients. In young patients whose arteries still have their elasticity, Ginkgo has a much smaller effect on mental faculties.

Ginkgo is a powerful antioxidant, as effective as Grape seed extract.(2)

One in vitro study conducted at the McGill University in Montreal demonstrated the ability of a Ginkgo extract to protect neurons from the action of known neurotoxic substances. This ability has been confirmed in numerous in vitro and clinical studies.(4)

Ginkgo inhibits PAF (platelet-activating factor), which is involved in the inflammatory aspect of asthma. This activity explains its use in traditional Chinese medicine to treat asthma(3) as well as its action on blood coagulation (by reducing platelet aggregation, it "fluidizes" blood).

The German Commission E acknowledges its benefits in cases of:

- symptomatic treatment of organic brain syndrome and demential syndromes with the following symptoms: memory deficits, disturbances in concentration, depressive emotional condition, dizziness, tinnitus and headache ;
- improvement of pain-free walking distance in peripheral arterial occlusive disease (intermittent claudication) and in cases of
- vertigo and tinnitus (ringing in the ear) of vascular origin.

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Scientific studies

One double-blind, randomized clinical study evaluated the efficacy of Ginkgoforce in 241 patients between the age of 55-85. Patients were assigned to 3 treatment groups receiving either 20 drops 3 times/day (recommended dosage), 40 drops 3 times/day or a placebo, over a 6-month period. Subjects from the two groups receiving Ginkgoforce had a significant subjective and objective improvement (as measured by three different tests) of their cerebral function as compared to the placebo. The difference between the two groups receiving Ginkgoforce was insignificant. The authors concluded: "Ginkgoforce is capable of improving the cerebral function and seems very well indicated for the treatment of age-related memory problems. (...) for this drug, the 20 drops 3 times/day dosage should be considered as optimal for long term treatment."(5)

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