

# Ginkgo biloba Extract

*Sunpure Extracts Pvt Ltd* is one of the leading companies in market, engaged in offering finest assortments of Herbal Extract to our valuable clients. We offer supreme quality of *G. biloba*, is the top selling ingredient of the company. Our herbal extracts are highly appreciated by our patrons across the country for their purity, safe to use and economical price.

## History

*Ginkgo biloba*, commonly known as ginkgo or gingko, also known as the maidenhair tree, is the only living species in the division Ginkgophyta, all others being extinct. It is a very old species, with some fossils dating back 270 million year. Native to China, the tree is widely cultivated, and was cultivated early in human history.

*G. biloba* has been used in traditional Chinese medicine for many years for the treatment of asthma, bronchitis, tuberculosis, cognitive dysfunction, stomach pain, etc., and has been tested and clinically found effective as a dietary supplement and medication for the improvement of memory, treatment or prevent of Alzheimer's disease and other neurological disorders, and treatment of cardiovascular disorders through its neuroprotective, immunomodulatory, anti-inflammatory, and antioxidant activities.

## Geographical Distribution

The *G. biloba* tree, which is native to China, Japan, and Korea, is distributed through cultivation in many parts of Europe, America, and the temperate regions of New Zealand, Argentina, and India.

## Bioactive compounds

*Ginkgo biloba*, like most plant medicines contains many active constituents, believed to have synergistic effects. Flavonoids including quercetin, kaempferol, and isorhamnetins; trilactonic diterpenes: Ginkgolide A, Ginkgolide B, Ginkgolide C; a trilactonic sesquiterpene: bilobalide; and proanthocyanidins are thought to afford Ginkgo its medicinal effects.



Other constituents such as glucose, rhamnose, hydroxy-kinurenic, kynurenic, protocatechic, vanillic, and shikimic acids, D-glucuronic acid, ginkgolic acid, and related alkyphenols have also been isolated.

## Pharmacological Effects of *Ginkgo biloba* :

Ginkgo leaf extract is having multifaceted pharmacological activities. The Ginkgo leaf extract may work through various mechanisms of action.

Following are the suggested mechanisms of the Ginkgo leaf extract proved by various studies:

- ✿ Antioxidant effect, anti-platelet activating factor (Anti-PAF) activity for cardio and cerebral vascular diseases,
- ✿ Inhibition of beta amyloid peptide (A) aggregation to reduce Alzheimer's progression,
- ✿ Decreased expression of peripheral benzodiazepine receptor (PBR) for stress Alleviation,
- ✿ Stimulation of endothelium derived relaxing factor to improve blood circulation



## Specification

✿ Common Name	:	<b>Ginkgo</b>
✿ Botanical Name	:	<b><i>Ginkgo biloba</i></b>
✿ Plant Part Used	:	<b>Leaf</b>
✿ Appearance	:	<b>Brown fine colour powder</b>
✿ Identification	:	<b>Positive by TLC</b>
✿ Shelf Life	:	<b>3 Year</b>
✿ Storage Condition	:	<b>Cool &amp; Dark Dry Place</b>

## Available Grades

Sunpure Extract Pvt Ltd offering IP (Indian Pharmacopeia) grade material.

✿ <b><i>Ginkgo biloba</i> Extract 20:1</b>	
Total Flavones Glycosides	<b>24.00%</b>
Total Terpene Lactones	<b>1.00%</b>
✿ <b><i>Ginkgo biloba</i> Extract 20:6</b>	
Total Flavones Glycosides	<b>24.00%</b>
Total Terpene Lactones	<b>6.00%</b>

## The many positive effects of Sunpure Ginkgo Extracts are

- ✿ Potent antioxidant, eliminating toxins from the body.
- ✿ Promotes blood vessel health, fights hardening of the arteries and reduces plaque build-up.
- ✿ Increases absorption of oxygen and glucose in the brain.
- ✿ Inhibits the action of PAF, a leading cause of stroke.
- ✿ Improves sexual function in men.
- ✿ Acts as an antidepressant.
- ✿ Fights cancer development.
- ✿ Antibiotic properties.

## References:

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