

Green Tea Extract

&

Natural Caffeine

(US DMF NO. - 036604)

from the house of Sunpure

Green tea is one of the oldest beverages in the world. The consumption of green tea has a history that spans back to over 5000 years. Traditionally, it was prescribed for a number of ailments while also being consumed for its refreshing qualities and the prevention of future health problems. Currently, more than two thirds of the world population consumes this popular beverage. The use of tea leaves probably first originated more than 3,000 years ago, in the southwest area of China and initially was used by people only for chewing and eating. *C. sinensis* was discovered in India at 1835 and thereafter also in Thailand and Burma.



Geographical distribution

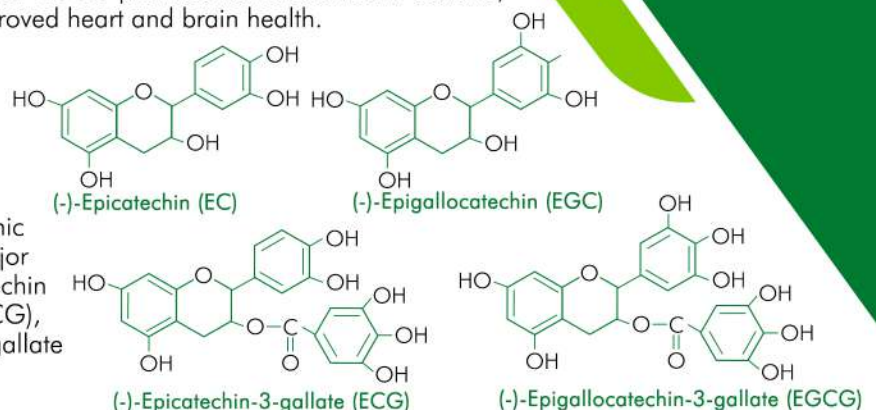
Camellia sinensis var. *sinensis* is probably native to western Yunnan, while *C. sinensis* var. *assamica* is native to the warmer parts of Assam (India), Burma, Thailand, Laos, Cambodia, Vietnam and southern China.

Green Tea is composed of polyphenols, caffeine, minerals, and trace amounts of vitamins, amino acids, ECGC (Epigallocatechin Gallate), and carbohydrates.

Test-tube, animal, and a few human studies indicate that EGCG provides numerous health benefits, including reduced inflammation, weight loss, and improved heart and brain health.

Bioactive Compounds

Green tea mainly consists of polyphenols, amino acids, theanine, proanthocyanidins, and caffeine. Among the different polyphenols, catechins and flavonols (myricetin, caempferol, quercetin, chlorogenic acid, coumarylquinic acid, and theogallin) are the major constituents. Catechin (C), epicatechin (EC), gallic catechin (GC), epigallocatechin (EGC), epicatechin gallate (ECG), epigallocatechin gallate (EGCG), and gallic catechin gallate (GCG) are the major catechins present in green tea.



Sunpure's

Green Tea extract has widespread application in cosmetics and personal care products.



Green Tea Extract

Grades & Specifications

offered by **Sunpure Extracts Private Limited**

Product	Specification
Green Tea Water Extract	40% Polyphenols, 25% Catechin, 12% EGCG
Green Tea Extract - 30%	30% Polyphenols, 15% Catechin, 3% EGCG, 4-6% Caffeine
Green Tea Extract - 50%	50% Polyphenols, 30% Catechin, 15% EGCG, 4-8% Caffeine
Green Tea Extract - 80%	80% Polyphenols, 60% Catechin, 40% EGCG, <3% Caffeine
Green Tea Extract - 90%	90% Polyphenols, 70% Catechin, 45% EGCG, <3% Caffeine
Green Tea Extract - 95%	95% Polyphenols, 75% Catechin, 50% EGCG, <3% Caffeine

as well as

Natural Caffeine 95% and 99% (US DMF NO. - 036604)

which has applications in Food, Nutra, Pharma, Cosmetic and Beverage industry.

Green tea is an ancient remedy. Here's why green tea extract products still has value for our health today;



Healthy heart: Green tea lowers LDL cholesterol, which has an overall negative effect on your body.

Green tea extract is rich in catechins, and it contains a decent amount of caffeine, combination of both ingredients is responsible for green tea extract's modest weight loss properties.



Protects cells: Green tea loaded with flavonoids & catechins called epigallocatechin-3-gallate (EGCG), which works in combination with your immune system.

Energy boost: It is much healthier than other beverages which induce body energy.



Improve brain health: Neurodegenerative disease such as Parkinson's and Alzheimer's are shown to improve when green tea is consumed regularly.

Benefits liver function - The catechins in green tea extract may also help reduce inflammation caused by some liver diseases, such as nonalcoholic fatty liver disease (NAFLD).



Cures bad breath: The catechins in green tea fight bad breath from developing in the first place.

Oxidative damage can lead to chronic inflammation, which can lead to chronic diseases, including cancers. Green tea is an excellent source of powerful antioxidants which can help protect against oxidative damage.



References

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