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NATURAL INGREDIENT SOLUTIONS
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- **Name :**green tea extract
- **Other name：** Camellia sinensis
- Source： green tea leaf
- Latin name ： Camellia sinensis (L.)O.Kuntze
- **Ingredient** ： Polyphenols,Catechin,egcg etc
- Specfication ： 10%-98% Polyphenols;50%-99% Catechin;98%99% EGCG
- Test methods：HPLC/UV
- CAS No.： 84650-60-2

What is?

A green tea extract is a herbal derivative from green tea leaves (Camellia sinensis). Containing antioxidant ingredients – mainly green tea catechins (GTC) – green tea and its derivatives are sometimes used as dietary supplements and in alternative medicine.

Constituents

The cardinal antioxidative ingredient in the green tea extract is green tea catechins (GTC), which comprise four major epicatechin derivatives; namely, epicatechin (EC), epigallocatechin (EGC), epicatechin gallate (ECG), and epigallocatechin gallate (EGCG). Of which, EGCG accounts for more than 40% of the total content.

Other components include three kinds of flavonoids, known as kaempferol, quercetin, and myricetin.[3] A remarkably higher content of myricetin is detected in tea and its extracts than in many other plants, and this high concentration of myricetin may have some implications with the bioactivity of tea and its extracts.[2]

Caffeine may be excluded in green tea extracts in order to avoid side-effects; caffeine-free green tea extract supplements are now available.

Main Function of Tea Extract:

Benefits

Reduce kidney stones
Treat high blood pressure
Relieve pain in rheumatoid arthritis
Help in kidney and urinary disorders

Application

Cosmetics
Body and skin care products
Food additives
Dietary supplement
Traditional medicine