

Bioprex Labs

CAMELLIA SINENSIS (Green Tea)



Chemical constituents : The active constituents in Green Tea are Polyphenols (Catechins and flavonols). Other constituents are caffeine and essential oil.

Pharmacology : The polyphenols in Green Tea are catechins, with multiple linked ring-like structures. The dominant & most important catechin in Green Tea is (-) epigallocatechin Gallate (EGCG) a potent anti-oxidant. It helps to block cancer promoting actions of carcinogens ultraviolet light & metatasis. Green Tea also blocks the attachment of bacteria associated with dental carries.

Therapeutic uses:

- It is used as anti-oxidant, anticancer and anti-diabetic and for weight loss.
- It reduces cholesterol and triglycerides

Standardisation : Green Tea extract is standardized to 50% & 95% Polyphenols / 20% & 45% EGCG.

ANALYTICAL SPECIFICATION

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PRODUCT SPECIFICATIONS: Green tea DE 95% polyphenols

S.No	Parameters	Specification
01.	Description	Light – Dark Brown Powder
02	Loss on Drying (at 105 °C)	NMT 5% w/w
03	Solubility in water	Soluble
04	Heavy Metals	NMT 20 PPM
05	Assay (on dried basis) Total Polyphenols by U.V and EGCG by HPLC	NLT 95% w/w NLT 45% w/w
06.	Microbiological Profile :	
	Total Plate Count	< 1000 cfu / g
	Yeast & Moulds	< 100 cfu /g
	Salmonella & E.Coli	Negative