



## Technical Data sheet



**Product Name:** Green Tea Extract

**Active Ingredient:** *Camellia Sinensis*

**Specification:** Total polyphenols 80.0%, Catechins 60%, EGCG 30%

**Appearance:** Light Brown fine powder

**Test method:** UV, HPLC, HPLC

**Part used:** Leaf



### Function

- 1.Green tea extract will reduce blood pressure, blood sugar, blood lipids
- 2.Green tea extract with the function of removing radicals and anti-aging;
- 3.Green tea extract can enhance the immune function and prevention of colds;
- 4.Green tea extract will anti-radiation, anti-cancer, inhibiting the increasing of cancer cell;
- 5.Green tea extract used to anti-bacterium, with the function of sterilization and deodorization

### Application

1. Applied in food field, it is used as natural antioxidant, anti-staling agent, and anti-fading agents.
2. As cosmetics and daily chemical additive, it owns the effect of anti-wrinkle and anti-Aging. It can dispel spot, prevent and treat skin disease and sensibility, decayed tooth, dental plaque, periodontitis and halitosis, protect skin from the harmful solar ray and prevent skin cancer.
3. Applied in pharmaceutical field, it is used to prevent and cure cardiovascular disease, diabetes. It owns the effect of sterilization and antivirus. It is available as raw material of subsidiary and healthcare medicine
4. Anticancer activity of doxorubicin and idarubicin.



**Technical specification:**

ITEM	SPECIFICATION
Appearance	Light Brown fine powder
Odor/Taste	Characteristics
Excipient	None
Loss on Drying	NMT 5.0%
Polyphenol(UV)	NLT 80% Total Tea Polyphenol
Catechins(HPLC)	NLT 60.0%
EGCG(HPLC)	NLT 30.0%
Caffeine	Report only (3.8%)
Sieve analysis	100% through 80 mesh
Bulk density	0.40g/ml-0.60g/ml
Heavy metals	NMT 10.00PPM
Arsenic (As)	NMT 0.50 PPM
Lead(Pb)	NMT 0.50 PPM
Mercury(Hg)	NMT 0.10 PPM
Cadmium (Cd)	NMT 0.10 PPM
<b>Microbiological Analysis</b>	
Total microbacterial count	NMT 10,00FU/g
Yeast &Mould	NMT 100CFU/g
Escherichia Coli presence	Negative
Salmonella	Negative
Staphylococcus	Negative

**Packaging Details:**

Package: 25kgs/fiber drum, inner with double-layer plastic bags.

Storage: Store in cool & dry place, keep away from strong light and heat.

After opening, please use it immediately; if not, please pack it in vacuum.

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