



## Technical Data sheet

**Product Name:** Guarana Seed Extract

**Botanical source:** *Nymphaea coerulea*

**Active ingredients:** Caffeine

**Specification:** Caffeine 20% HPLC

**Part used:** Seed

**Appearance:** Brown yellow fine powder

**Test method:** HPLC



### Health benefits:

#### 1. Cognition:

Guarana extract Powder has shown prompt results in terms of positive effects in cognition. The high caffeine content promotes mental alertness and reduces fatigue. The proponents of guarana seed extract are of the opinion that caffeine is released slowly, thus providing stimulative effects for a longer period.

#### 2. Digestion:

Guarana extract Powder is used for combating digestive problems, particularly irregular bowel movement. The tannin present in this extract help in proper digestion of food and treatment of diarrhea. However, do not use guarana extract frequently for reducing digestive problems, as it may become habitual in the long run.

#### 3. Weight Loss:

Guarana extract Powder reduces appetite and cravings for food, while stimulating the body metabolic processes. Hence, it helps in burning the accumulated fats and lipids, as an energy source for the body cells and tissues.

#### 4. Pain Relief :

Traditionally, guarana seed extract has been used as a treatment for migraine headache, rheumatism and menstrual pain.

### Application:

1. It is widely applied in food field and used in sweetened or carbonated soft drinks and energy shots, it is an ingredient of herbal tea.
2. Applied in health product & pharmaceutical field as a dietary supplement.



### Technical specification:

Product Name	Guarana Extract
Latin Name	<i>Nymphaea coerulea</i>
Part used	Seed
Country of Origin	China
<b>ANALYSIS</b>	<b>SPECIFICATION</b>
Assay	20% Caffeine HPLC
Appearance	Brown yellow fine powder
Ash	≤5.0%
Loss on drying	≤5.0%
Heavy Metals	≤20ppm
Arsenic (As)	≤2.0ppm
Plumbum (Pb)	≤3.0ppm
Mercury(Hg)	≤0.1ppm
Cadmium (Cd)	≤1.0ppm
Odor	Characteristic
Particle size	100% through 80 mesh
<b>Microbiological</b>	
Total of bacteria	≤10000cfu/g
Yeast & Molds	≤1000cfu/g
Salmgosella	Negative
Coli	Negative

### Packaging Details:

Package: 25KG/drum, Pack in paper-drums and two plastic-bags inside.

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

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