

# Product Specification

**Product Name: Natural L-Theanine**

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<u>Product Characteristics</u>	<u>Specification</u>
Botanical Name	<i>Camellia sinensis (L) kuntze</i>
Plant Part	Leaf
Description	Fine brown yellow powder
Odor & Taste	Characteristic
Solvent	Water/Ethanol
Preservatives	None

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**Product Profile**

Solubility	Easily soluble in water	USP<711>
Particle Size	≥90% though 80mesh	USP<786>

**Product Profile**

Assay	≥20.0%	HPLC
Caffeine	≥1.0%	HPLC
Loss on drying	≤6.0% (w/w)	USP<731>
Sulphated ash	≤0.1% (w/w)	USP<281>

**Microbiological Profile**

Total Plate Count	≤1,000 CFU/g	USP<61>
Yeast & Mold	≤100 CFU/g	USP<61>
E.coli	Negative	USP<61>
Salmonella	Negative	USP<61>

**Additional Testing**

Heavy Metals	≤10ppm	USP<231>
Arsenic	≤1ppm	USP<211>
BHC	≤0.1ppm	GC
DDT	≤0.1ppm	GC

**Storage & Packaging:**

Store in tightly closed containers at room temperature. Protected from moisture and pest infestation.