



## Specification sheet



**Product Name:** Ginger Extract.

**Lain Name:** *Rhizoma Zingiberis officinale*

**Active ingredients:** Gingerols

**Specification:** 1%, 5% or 10:1, 4:1

**Appearance:** Yellow brown fine powder

**Test Method:** TLC, HPLC



Ginger, the underground stem, or rhizome, of the plant *Zingiber officinale* has been used as a medicine in Asian, Indian, and Arabic herbal traditions since ancient times. In China, for example, ginger has been used to aid digestion and treat stomach upset, diarrhea, and nausea for more than 2,000 years. Since ancient times, ginger has also been used to help treat arthritis, colic, diarrhea, and heart conditions.

In addition to these medicinal uses, ginger continues to be valued around the world as an important cooking spice and is believed to help the common cold, flu-like symptoms, headaches, and even painful menstrual periods. Native to Asia where its use as a culinary spice spans at least 4,400 years, ginger grows in fertile, moist, tropical soil.

### Health benefits:

1. Ginger extract have the effect of anti-oxidant, effectively eliminating free radicals;
2. Ginger extract can decrease platelet viscosity and accumulation to improve cardiovascular health;
3. Ginger extract can inhibiting prostaglandin synthesis, treating rheumatoid arthritis and hyper osteogeny;
4. Ginger extract will release nausea and vomiting symptoms happened in carsickness, pregnancy, post operation;
5. Ginger extract can strengthening intestinal movement, promoting blood circulation, treating dyspepsia, constipation, diarrhea and other gastrointestinal diseases.

### Technical specification:



## Certificate of Analysis

<b>Product Name:</b>	Ginger rhizome extract	<b>Batch#:</b>	GHB170710
<b>Latin Name:</b>	<i>Zingiber officinale Rosc</i>	<b>Part Used:</b>	Root
<b>Manu. Date:</b>	Jul 10, 2017	<b>Expi. Date:</b>	Jul 09, 2019
<b>Country of origin</b>	China	<b>Weight:</b>	1000KGS

ITEM	SPECIFICATION	TEST RESULTS
Appearance	Yellow Brown Powder	Complies
Odor/Taste	Characteristics	Complies
Particle Size	100% through 80 meshes	100% through 80 meshes
Loss on Drying	≤5.0%	2.14%
Ash	≤5.0%	3.02%
Assay (TLC)	10:1	10:1
Heavy Metals	≤20ppm	Complies
Arsenic (As)	≤2.0ppm	Complies
Plumbum (Pb)	≤3.0ppm	Complies
Mercury(Hg)	≤0.5ppm	Complies
Cadmium (Cd)	≤1.0ppm	Complies
<b>Microbiological Analysis</b>		
Total of Plate Count	≤10000CFU/g	175CFU/g
Yeast and Mold	≤1000CFU/g	86CFU/g
Salmonella	Negative	Complies
E.coli	Negative	Complies
<b>Conclusion</b>	Complies with specification	
<b>Storage</b>	Store in cool & dry place, Keep away from strong light and heat	
<b>Shelf life</b>	2 years when properly stored.	
<b>Packing</b>	25KG/drum, Pack in paper-drums and two plastic-bags inside.	

Report Date: Jul 11, 2017

QC: FengYi Li

### Packaging Details:

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

Storage: Store in cool & dry place, do not freeze, and keep away from direct strong light.

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