



## Technical Data Sheet

**Product Name:** Gentian Extract

**Botanical source:** *Gentiana lutea*

**Specification:** Ratio 10:1

**Grade:** Food grade and Cosmetic grade

**Part used:** Root

**Appearance:** Brown Yellow Fine Powder

**Test method:** TLC



Gentian is an herb. The root of the plant and, less commonly, the bark are used to make medicine.

Gentian is used for digestion problems such as loss of appetite, fullness, intestinal gas, diarrhea, gastritis, heartburn, and vomiting. It is also used for fever, hysteria, and high blood pressure. Some people use gentian to prevent muscle spasms, treat parasitic worms, start menstrual periods, and as a germ killer.

### Benefits:

- 1) Gentian root extract has been used for loss of appetite and indigestion.
- 2) Gentian root extract is an effective tonic which usually is administered for insufficiency of blood due to impairment of the heart and spleen resulting from overstrain, manifested as palpitation, amnesia and insomnia.
- 3) Gentian root extract is effective to red eyes and dizziness, swollen or deaf ears, bitter mouth and body side ache, throat swelling and pain and so on.
- 4) Gentian root extract can be also used for treatment of hair loss.
- 5) Gentian root extract can be used in cosmetics and applied to the skin for treating wounds and cancer.

### Application:

1. Applied in pharmaceutical field
2. Applied in health product field
3. Applied in food field
4. Applied in cosmetic field



**Technical specification:**

ITEM	SPECIFICATION
Assay	Ratio 10:1
Appearance	Brown Yellow Fine Powder
Odor/Taste	Characteristic
Particle size	100% through 80 mesh
Residue on Ignition	≤5.0%
Loss on Drying	≤5.0%
Density	0.5-0.7g/ml
Solvent Used	Water
Heavy Metals	≤10ppm
Pb	≤2ppm
As	≤2ppm
Residual Pesticide	Negative
<b>Microbiological Analysis</b>	
Total Plate Count	≤10000cfu/g
Yeast & Mold	≤1000cfu/g
E.Coli	Negative
Salmonella	Negative

**Packaging Details:**

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

Shelf life: 2 years when properly stored.

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

END OF DOCUMENT