



## Specification sheet

**Product Name:** Beetroot Extract

**Lain Name:** *Beta vulgaris L.*

**Part used:** Root

**Specification:** Ratio 10:1

**Grade:** Food grade

**Appearance:** Brownish red fine powder

**Test Method:** TLC



Red Beet is a natural color made from the edible root of red beet through concentration, filtration, refining and sterilizing processes. Its main composition is Betanin. It is a purple-red liquid which is easily dissolved in water and water-alcohol solutions. It is a stable red purple color in acid and neutral, and is translated to yellow betaxanthin in alkaline. The color will not change or fade gradually due to oxidization. It is widely used in cool beverage; milk product, fruit prepared and other not heat foods.

### Health benefits:

- 1.Beetroot benefits for skin includes its cleansing action
- 2.Beetroot is lowering high blood cholesterol and levels of triglycerides.
- 3.The juice of beetroot is effective in lowering high blood pressure.
- 4.Betaine in beetroot is beneficial for those with hypochlorhydria, a medical condition characterized by low levels of stomach acid.
- 5.It has also been contended that beetroot can help in fighting cancer causing compounds called nitrosamines.
- 6.Beetroot can also curb inflammation, which is associated with heart disease, osteoporosis etc.

### Application:

- (1). Applied in the food field, it has become a new raw material which used in food and beverage industry;
- (2). Applied in the health product field;
- (3). Applied in the pharmaceutical field.



### Technical specification:

<b>ANALYSIS</b>	<b>SPECIFICATION</b>
Assay	Ratio 10:1
Appearance	Brownish red fine powder
Odor	Characteristic
Particle size	95% through 80 mesh
Residue on Ignition	≤5.0%
Loss on drying	≤5.0%
Bulk Density	40-60(g/100ml)
Heavy Metal	≤10ppm
Pb	≤2ppm
As	≤2ppm
Hg	≤1ppm
Cd	≤1ppm
Pesticide Residue	Meet the requirements
<b>Microbiological Control</b>	
Total Plate Count	≤10000cfu/g
Yeast & Mold	≤1000cfu/g
E.Coli	Negative
Salmonella	Negative
Staphylococcus	Negative

### Packaging Details:

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

Shelf life: 24 months.

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

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