

Specification of Beet root Extract

Product Name: Beet root Extract

Latin name: *Beta vulgaris L.*

Product Content: Nitrate 2%

Used Part: Root

Product Description: The Beet root extract is refined by crushing, water extraction, separation, spray drying, screening, magnetic, packaging and other processes.

Sensory indicators

Item	Standard	Testing Method
Color	A purplish-red fine Powder	Visual
Appearance	Amorphous powder	Visual
Odor & Taste	Specific Taste and Odor	Taste
Impurity	No foreign impurities	Visual
Mesh Size	80 mesh	Analytical sieving

Physical & Chemical Characteristics

Item	Standard	Testing Method
Nitrate	≥2	HPLC
Loss on Drying	NMT 5.0 %	USP<731>
Total Ash	NMT 5.0 %	USP36
Heavy Metals (as Pb)	NMT 10 ppm	USP36
Lead (Pb)	NMT 1 ppm	ICP-MS
Arsenic (As)	NMT 1 ppm	ICP-MS
Cadmium (Cd)	NMT 1 ppm	ICP-MS
Mercury (Hg)	NMT 0.1 ppm	ICP-MS

Microbiological Characteristics

Item	Standard	Testing Method
Total Plate Count	NMT 5,000 cfu/g	USP<2021>
Total Yeast & Mold	NMT 100 cfu/g	USP<2021>
<i>E. Coli</i>	Not Detected in(g) 10	USP<2022>
<i>Salmonella</i>	Not Detected in(g) 25	USP<2022>
<i>Staphylococcus</i>	Not Detected in(g) 10	USP<2021>

Packaging:

25kg/drum, the inner packaging is PE film bag or aluminum foil bag, and the outer packaging is corrugated box.



Shipping:

Whole transportation of the products should be clean and pollution-free, be avoided from sunlight and rain, and not be mixed with toxic, harmful, odorous or items that affect product quality.

Storage:

Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat. Do not share storage with toxic, harmful, odorous, volatile and corrosive items.

Shelf life:

Under proper conditions of packaging, shipping and storage, the shelf life can last 24 months. Once unpack, the product should be resealed and stored or used as soon as possible.

