

Specification of **friberry**® Cranberry Extract

Product Name: Cranberry Extract

Botanical source: *Vaccinium macrocarpon* Ait.

Product Content: Proanthocyanidins 25%

Used Part: Fruit

Product Description: The Cranberry Extract is refined by crushing, water extraction, separation, resin elution, desorption, spray drying, screening, magnetic, packaging and other processes.

Sensory indicators

Item	Standard	Testing Method
Color	Brownish red	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
Proanthocyanidins	≥25%	UV
Anthocyanins	≥36%	HPLC
Loss on Drying	NMT 5.0 %	GB5009.3
Total Ash	NMT 5.0 %	GB5009.4
Heavy Metals (as Pb)	NMT 10 ppm	GB5009.74
Lead (Pb)	NMT 1 ppm	GB5009.12
Arsenic (As)	NMT 1 ppm	GB 5009.76
Cadmium (Cd)	NMT 1 ppm	GB 5009.15
Mercury (Hg)	NMT 0.1 ppm	GB 5009.17

Microbiological Characteristics

Item	Standard	Testing Method
Total Plate Count	NMT 1,000 cfu/g	GB 4789.2
Total Yeast & Mold	NMT 100 cfu/g	GB 4789.15
<i>E. Coli</i>	Not Detected in(g) 10	GB 4789.3
<i>Salmonella</i>	Not Detected in(g) 25	GB 4789.4
<i>Staphylococcus</i>	Not Detected in(g) 10	GB 4789.10



Packaging:

2.5kg/bag, 10bags 25kgs per drum, the inner is vacuum packing, the outer packaging is fibre drum.

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.

