



- **Latin Name: Hippophae rhamnoides L**
- **Active Ingredient: flavonoids Ve**
- **CAS No.:**
- **Test method: Uv-VIS / HPLC**
- **Specifications: Wild Seabuckthorn Extract**

Product Description:

Seabuckthorn Raw juice

Wild seabuckthorn berries are processed directly to saw juice and it is national and unpolluted, at the same time, it still contains rich nutritional components that people need, such as vitamins, minimal and amino acids and so on. Seabuckthorn berries juice is yellow color and has fruit fragrance and higher acid degree. The main physical and chemical index is as followed:

Total soluble solid content $\geq 12\%$,

Total acid (calculated as Malic Acid) $\geq 3\%$

Vitamin C ≥ 200 mg/100g

Seabuckthorn berry enriches nutritional components and contains total soluble sugar (totally fructose and glucose), organic acid and various vitamins, for example carotene, VC, VE, VB1, VB2 etc. Raw juice still contains many kinds of microelements and 18 kinds of amino acids people needed. Seabuckthorn berries juice has more assorted nutrition than that of other fruit trees. It is a great source of vitamin C, with up to several ten times as much as general fruits. The content of vitamin E is the top of all fruits. These nutriments are prone to absorb for people. According to recordation in Chinese traditional medicine dictionary, it has tremendous potential for treating a wide ranges of conditions, including flourishing blood, stomachic and preventing thirsty.

Seabuckthorn berries juice is unpolluted during the manufacture and process and belongs to green products truly.

Usage and guidelines:

- 1 Seabuckthorn fruit juice can be used in taken orally liquid that has effects on resisting fatigue, promoting growth, and fruit beverage and fruit tea etc.
- 2 Producing Jam, jelly and so on.
- 3 Be used in producing ice cream
- 4 Ferment to produce seabuckthorn fruit wine

5 Ferment to produce Seabuckthorn vinegar and vinegar beverage

Seabuckthorn Concentrate juice

Although Seabuckthorn raw juice has full of nutritional components, it is easy to be polluted to metamorphose by microbe. Raw juice has larger volume and is not deposited, at the same time, is inconvenient to transport. Raw juice is concentrated under the condition of vacuum, which the temperature is low to 50 centigrade degree. Concentrate juice contains amino acid, natural vitamin C, B1, B2 and PP and microelement etc. It holds taste, vitamins and nutritional value of raw juice. Concentrate juice is brown and ropy liquid. It becomes raw juice after entering 3 times water and diluting. The main physical and chemical index is as followed:

Total soluble solid content $\geq 55\%$

Total acidity $\geq 12\%$

Vitamin C ≥ 800 mg/100g

Concentrate juice is regards as further processed and basal material. This way can insure the quality of Seabuckthorn products and is convenient to store and transport. The shipping cost will be lower down.

Usage and guidelines:

- 1 Seabuckthorn fruit juice can be used in taken orally liquid that has effects on resisting fatigue, promoting growth, and fruit beverage and fruit tea etc.
- 2 Processing Jam, jelly and so on.
- 3 Be used in producing ice cream
- 4 Ferment to produce Seabuckthorn fruit wine
- 5 Ferment to produce Seabuckthorn vinegar and vinegar beverage

Seabuckthorn seed oils & Seabuckthorn fruit oils

The Ministry of Agriculture in China has announced that Seabuckthorn is a plant that can be utilized by both foodstuff and medicine products. There are two sources of oil in seabuckthorn: the seed and the pulp. Seabuckthorn pulp oil is gotten through high centrifugal speed and separation from raw pulp. Seabuckthorn seed oil is processed from seabuckthorn's seeds and extracted.

In comparison with seabuckthorn pulp oil, the seed oils are highly unsaturated with up to 85% or more of the fatty acids making up the oil being linoleic or linolenic. Pulp oil is more saturated with about 30% of the fatty acids being palmitic, and 14%-50% of the fatty acids being palmitoleic acid. The difference between seed and pulp oil seems to lie in the relatively high content of C16 fatty acids in the pulp oil and the relatively high proportion of C18 fatty acids in the seed oil. In addition, carotenoids in seabuckthorn pulp oils are higher than that in seed oils. The content of carotenoids in pulp oil is 100 mg/100g and the content of β -carotene is 5 mg/100g. Both pulp and seed oils from seabuckthorn contain plenty of vitamin E content (100 mg/100g). Each 100g seabuckthorn oil contains 200 mg of VE of which the most active substance α 、 β -VE rank over 95%, 80 mg of carotenoid in which the content of β -carotene reaches 6mg, over 800mg of total sterol in which more than 500mg of β -sitosterol . It also includes more than 160 kinds of life active substances such as anthocyanin . It is a rare treasury rich in life active factors.

Usage guidelines:

- 1 Proceed to medicine and health food; take orally directly or proceed take orally liquid、 soft capsule production.

2 Cosmetics production: seabuckthron seed oil contains more compounds that can be absorbed easily by skin, such as saturated fatty acid, dissociative fatty acid, hydrocarbon, sterol, lecithoid, VE, VA and so on. So it is natural and perfect and nontoxic without side effect in the aspect of skin nutrition. Use for cosmetics series and daily necessities and so on.

3 It has obvious and long-term function with good treatment to various wound such as burn, scald, bedsore, mouth ulcer, etc.

4 Used to foodstuff additive or nutritional supplement: added into chocolate etc.

Seabuckthorn flavone powder

The flavonoids of seabuckthorn are mainly extracted from fruit pulp and leaves. Total flavone concentration adds up to more 20%. Appearance is Kelly powder. It was proved by a great deal of experiments that seabuckthorn flavone has the effects to reduce blood fatty, increase shrinkage and diastole, resist cardiac muscle lacking of blood as well as arrhythmia. Therefore, seabuckthorn flavone is ideal in the aspects of medicine and health-care food.

Usage guidelines:

Sometimes the flavonoid extract is combined with starch; for example, a tablet, a soft and hard flavonoid capsule and taken orally liquid is produced for use in treating cardiovascular disease, regulating blood fatty, anti-aging and increasing immunity.

Seabuckthorn pulp powder

Seabuckthorn pulp powder is made from fresh Seabuckthorn juice by spray-dry or freeze-dry, it effectively keep the color, flavor and scent of seabuckthorn. It's easy to store and transport. It's also the good material for making foodstuff and beverage.