

Bilberry

Cat. No. COP05 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Description

Bilberry, a perennial shrub, has dark purple fruits rich of anthocyanidins. It was reported that pilots of Royal Air Force took bilberry every breakfast during the world war. And they would take bilberry fruit or food containing bilberry before their flight every night. It has been found that bilberry is positive for eyesight improvement in European traditional medicine. Bilberry could speed up microcirculation of antioxidants in eyes. Since 1965, Bilberry has been used as a dietary supplement for improving eyesight and relief of eye fatigue. Bilberry Extract whose material is native in Sweden and Finland is a dark purple substance full of anthocyanidins.

Compositions

Main anthocyanidins in Bilberry Extract R=R1=OH R2=H Cyanidin 3-OH
R=R1=R2=OH Delphinidin 3-OH R=R2=OCH3 R1=OH Malvidin 3-OH R= OCH3
R1=OH R2=H peonidin 3-OH R= OCH3 R1= R2=OH petunidin 3-OH

Function Mechanism of asthenopia relaxation by Anthocyanin

Anthocyanin is able to speed up the circulation of rhodopsin around eyes and to stop the reduction of rhodopsin by increasing its amount.

Key Functions

1. Eyesight improvement and relief of eye fatigue 2. Anti-oxidization 3. Prevention / Treatment of retinal disorder caused by diabetes. 4. Prevention of arteriosclerosis, varicosity and form of thrombus.

Product Specification

Anthocyanidins ≥25.0% UV Anthocyanin ≥36.0% HPLC Free Anthocyanidins ≤1.0% HPLC

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**The nutritional
information of
Bilberry Extract**

Item Amount/100g Calories(KJ) 1980.05 Total Carbohydrate (g) 94.7 Protein (g) 1.7
Total Fat (g) 2.0 Moisture (g) 0.5 Ash (g) 1.1 Vitamin A (mg) 28.3 Vitamin C (mg) 10.2
Sodium (mg) 8.6 Magnesium (mg) 25.5 Zinc (mg) 0.13 Potassium (mg) 13.9 Calcium
(mg) 3.33 Iron (mg) 0.96

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