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花色苷
Anthocyanin
分子式: $C_{15}H_{11}O$
Molecular Formula
分子量: 207.24
Molecular Weight

越橘提取物

BILBERRY EXTRACT



产品简介 / PRODUCT INTRODUCTION

欧洲越橘: (*Vaccinium myrtillus L.*)是北欧民间的一种食用果实, 已有100多年历史。民间在食用过程中发现此果有调节眼部疲劳的作用, 并可以改善多种眼部疾病。

二战期间, 英法空军把欧洲越橘制成的果酱定为专用食品, 以提高投弹的准确率。至今, 越橘果酱仍被英法空军定为“飞行员的早餐”。在日本, 越橘更被誉为“美瞳之果”而广受青年和女性的青睐。

欧洲越橘提取物: 富含的花青素是一种天然抗衰老营养补充剂, 研究证明是当今人类发现最有效的抗氧化剂。目前越橘提取物已被开发并且广泛应用于消化系统、循环系统和眼部疾病的治疗和预防。

越橘提取物指以越橘为原料, 经过提取、分离、干燥而得到富含花色苷的深紫红色物质。

Europe bilberry, (*Vaccinium myrtillus Linn*), is an edible fruit popular in north Europe. With a history of over 100 years, it has been discovered to be helpful to release the eye fatigue, and to cure various eye diseases.

During the World War II, it was provided as a dedicated food of Royal Air Force to improve the bombing accuracy. It is still provided as the breakfast of the Royal Air Force. In Japan, it is recognized as a fruit that can enhance eye function, and is widely welcomed by the youth and women.

Bilberry Extract :Anthocyanin, which is rich in bilberry extract, is a natural anti-aging supplement, and has been studied and proved as the most effective antioxidant. Bilberry extract has been widely used in the treatment and precaution for digestive system disease, circulatory system disease and ophthalmic disease.

Bilberry extract refers to the dark purple-red substance rich in anthocyanin which is extracted, separated and dried from bilberry.

越橘提取物

BILBERRY EXTRACT

保护视力
Protect eyesight



提高记忆力
Improve memory

强化血管
Strengthen blood vessel



延缓衰老
Anti-aging

主要生理活性
MAJOR
PHYSIOLOGICAL
ACTIVITY



产品优势 / ADVANTAGES OF PRODUCT

1

放射性铯元素 $<10\text{Bq/KG}$,
安全性高--专利号: 201710522268.5
Radioactive cesium element $< 10\text{Bq/KG}$, thus to
guarantee high security, patent number: 201710522268.5

2

产品HPLC指纹图谱和Mirtoselect®一致
The HPLC fingerprint of product is consistent
with Mirtoselect®

3

从原料进口、冷链运输、检测、生产管
控到成品检测一系列过程严格按照双重GMP
管理制度执行, 产品质量有保证
From raw material import, cold chain transportation, inspection, production control to
finished product inspection, a series of processes are strictly implemented in accord-
-ance with the dual GMP management system, and the product quality is guaranteed.

4

质量要求: 游离花青素 $\leq 0.5\%$
Quality requirements: Free anthocyanins $\leq 0.5\%$



产品规格 / SPECIFICATION OF PRODUCT

品名 Product Name	标准 Standard	规格 Specification
越橘提取物 Bilberry extract	EP、USP	花青素: $\text{UV} \geq 25.0\%$ Anthocyanidins : $\text{UV} \geq 25.0\%$
		总花色苷: $\text{HPLC} \geq 33.0 \sim 39.0\%$ Total anthocyanin: $\text{HPLC} \geq 33.0 \sim 39.0\%$
		游离花青素: $\text{HPLC} \leq 1.0\%$ Free anthocyanins: $\text{HPLC} \leq 1.0\%$



产能 / CAPACITY

成品60T/年的标准化生产线、可支持客户来料加工及专属定制。

Standardized production line with an annual production capacity of 60T. We also accept customers' materials for processing and customization.