



宾美生物  
BINMEI BIOTECHNOLOGY

NO.1 China Brand Of  
Spirulina Extract



# Content

---

Who we are

Why choose BINMEI

Our spirulina extract

Our product list





# WHO WE ARE

---

BINMEI owns a state-of-the-art production site since **2013** which is focused on natural ingredients, covering about **5,000m²**.

BINMEI has passed FDA registration, and has **FSSC22000, Halal, Kosher, EU&NOP Organic** etc. certificates. BINMEI also owns its independent intellectual property rights and has established a traceable food safety management system from raw materials to finished product.

BINMEI owns an experienced team of industry experts who came together with the belief that honesty, kindness, transparency and sustainability are estimable business values.

BINMEI wants you to be excited by vivid colors that express happiness and joy in your food and drink, and BINMEI wants everyone to be able to choose options that include natural, plant based solutions.







**2013**

Born in a  
simple 60 m<sup>2</sup>  
laboratory

**2015**

Construction of a pilot  
production line with  
an annual capacity of  
**3 tonnes**

**2018**

Construction of a large  
industrial production line  
with an annual capacity of  
**200 tonnes**

**2020**

Built an eco-  
industrial chain.

**BINMEI's History**



# It' s the conjunction of several factors **Why choose BINMEI**



## **High-quality Raw Materials**

- Spirulina comes from natural alkaline lake on the Inner Mongolia plateau.
- Far from cities and pollution
  - Long sunshine times



## **Professional Team**

- Experienced sales and technical team
- Over **10** scientists
- Professional **QA & QC** staff



## **Advanced Technology**

- Gentle physical extraction
- Fully automated production
- Non-irradiated process
- Environmentally friendly and sustainable



## **Strict QC**

- Food safety systems from raw materials to finished products
- **FSSC22000** system certification
- **HALAL, KOSHER, EU&NOP Organic**



## **A Complete Supply Chain**

- Mature supply chain system
- Precautions and preparedness for emergencies calamities



# Why choose BINMEI – Patents

- Patent 1: A reactor device
- Patent 2: A method of extracting P-phycoerythrin
- Patent 3: A method of extracting phycocyanin
- Patent 4: A powder mixing device
- Patent 5: A reaction kettle device
- Patent 6: A mixing vessel discharge device
- Patent 7: A mixing device for colloidal materials
- Patent 8: A detachable reinforced material barrel
- etc.





# Why choose BINMEI — Certifications



## CERTIFICATE OF REGISTRATION



### The Food Safety Management System of: Zhejiang Binmei Biotechnology Co., Ltd

Site: No.5, Belyang 9th road, Tounmen Port Development Area, Linhai City,  
Zhejiang Province, P. R. China

has been assessed and determined to comply with the requirements of:

### Food Safety System Certification FSSC22000 v5.1, Food Manufacturing

Certification scheme for food safety management systems consisting of the following elements: ISO  
22000:2018, ISO/TS 22000:1:2005 and additional FSSC 22000 requirements (version 5.1)

The certificate is applicable for the scope of:

Production of edible spirulina extract (blue spirulina, spirulina liquid  
extract) (Steep, break the cell, solid-liquid separation, filtration,  
ultrafiltration, spray drying, sieving, packing).

Food chain (Sub) Category: K

Certificate of Registration No:  
162067014

Certification Decision Date:  
17 August 2021

Initial Certification Date:  
28 July 2020

Issue / Re-issue Date:  
17 August 2021

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

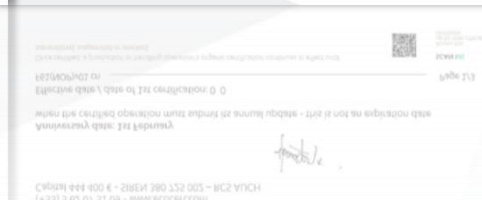
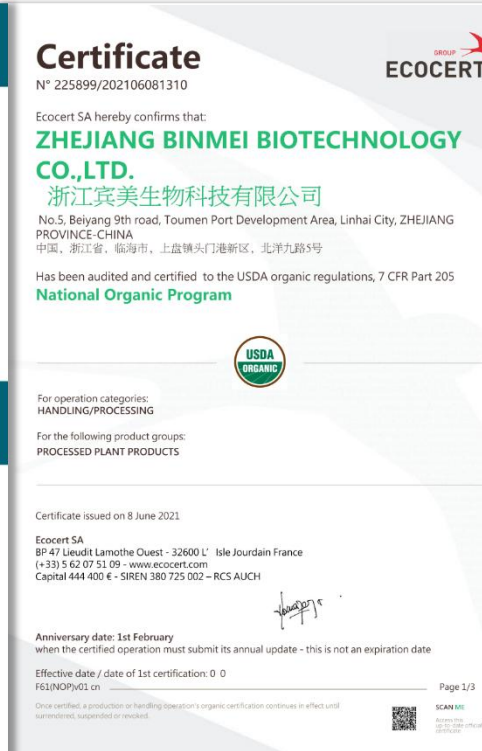
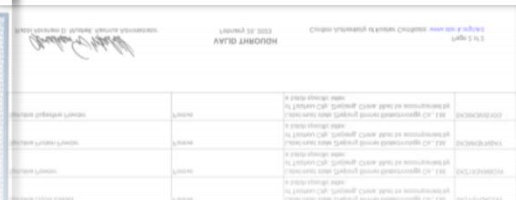
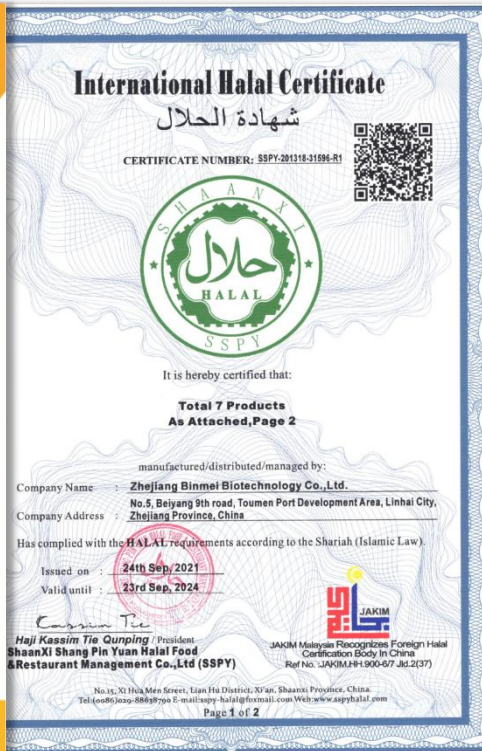
Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023

Valid Until:  
27 July 2023





# INTRODUCTION

---

Who we are

Why choose BINMEI

Our spirulina extract

Our product list





# What is spirulina extract?

Spirulina extract(phyococyanin, blue spirulina) is an extract of Spirulina, which is extracted in a gentle way by concentration, centrifugation and filtration, with only water added as an aid throughout.

Spirulina extract is a natural, high quality vegetable protein that fits well with the current trend for plant-based, clean labels etc.. It is an FDA approved natural blue pigment in the USA. The European Union has classified phyococyanin as a coloured food ingredient and its use in food is not restricted.

Spirulina extract is usually available in liquid or powder form and can be used in a wide range of applications in food and beverages, cosmetics and nutritional care.





# Benefits of spirulina extract



It has an antioxidant and antiradical action.

It exerts a modulating effect on the immune system.

It stops the development of "abnormal" cells.

Action on the metabolism of sugars.

It favours the differentiation of stem cells and therefore promotes the production of transport and defence cells in the circulation in our body.

The detoxifying and protective action of excretory organs and filters  
Phycocyanin effectively reduces the toxicity of chemicals (heavy metals, medicines).

It is beneficial to the female reproductive system and ovaries

Combating the replication and development of dangerous microorganisms.



# Applications of spirulina extract



Smoothies



Soft Candy



Dairy



Sports Drink



Cosmetic



Frozen Food



Functional Food



Children's Food



Supplements

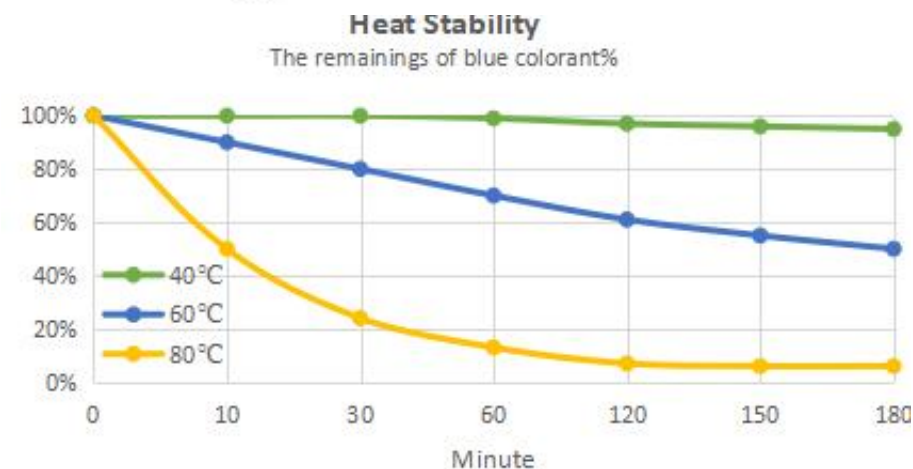
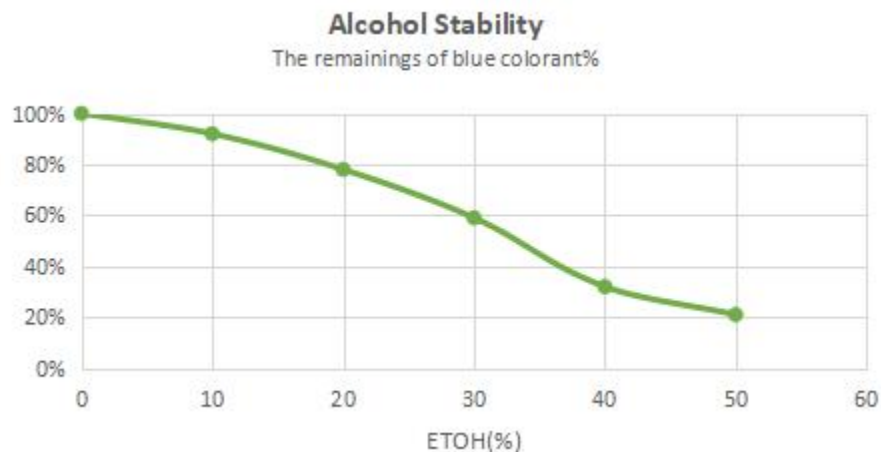
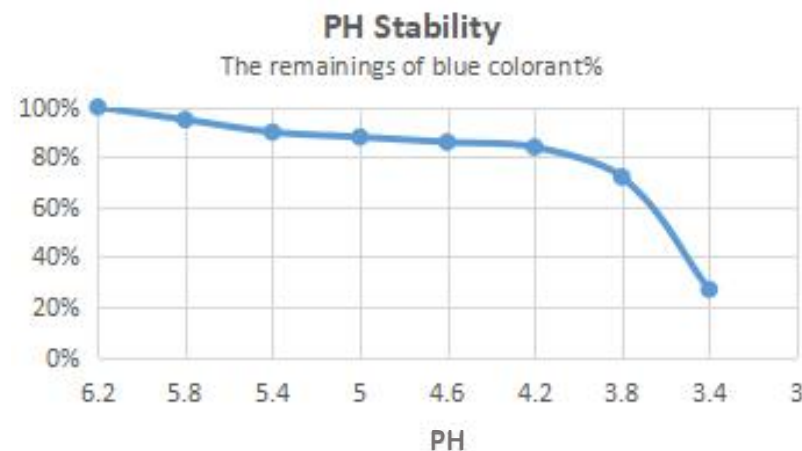
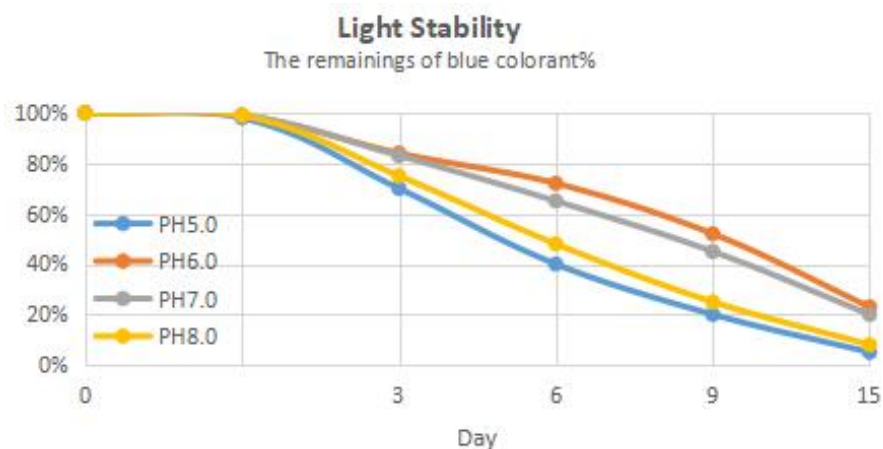


Medical



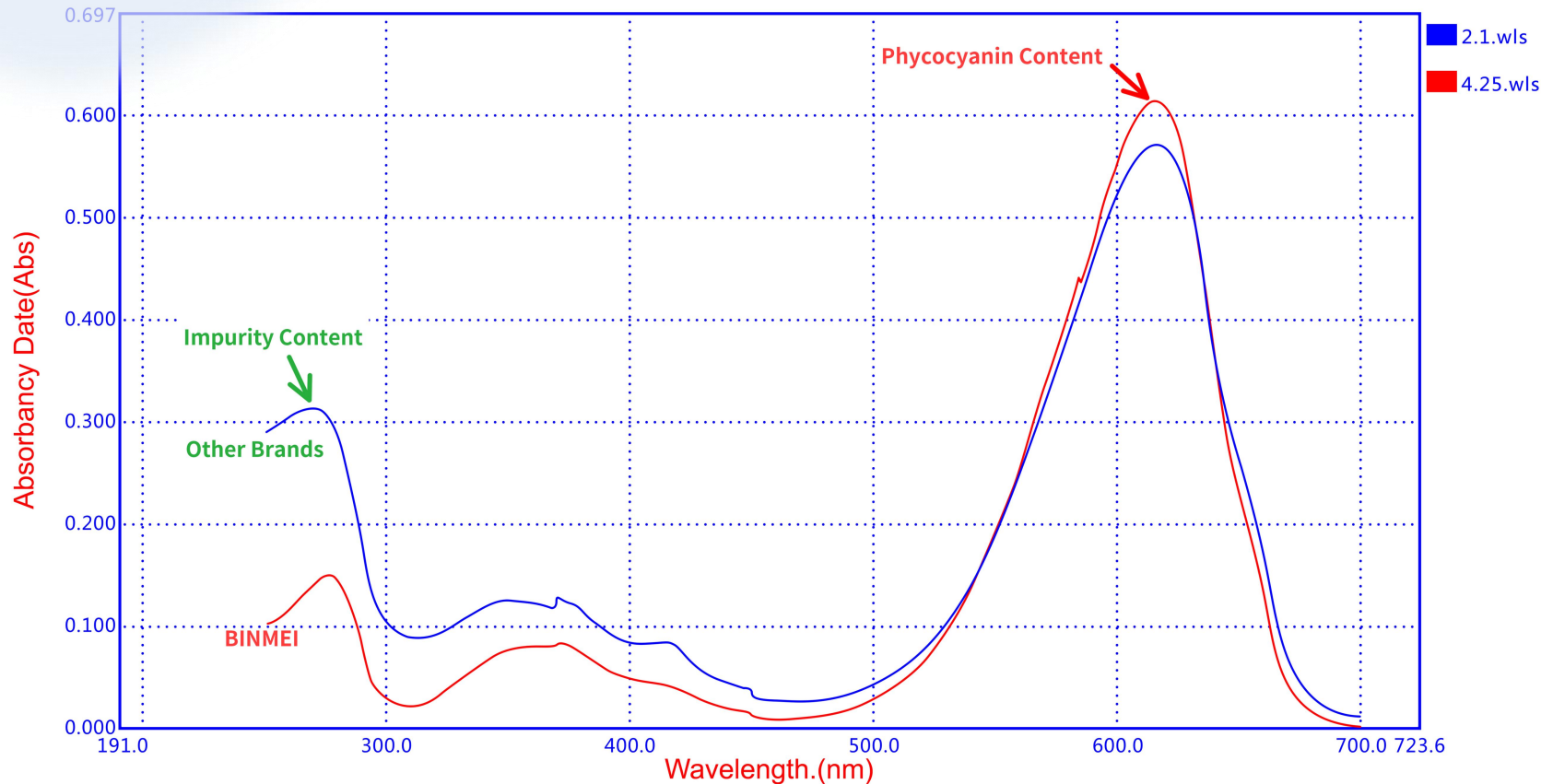
# Physicochemical properties of Binmei's spirulina extract

Spirulina extract is mostly blue granules or powder, it is a protein-binding pigment, so it has the same properties as protein, with an isoelectric point of 3.4. Soluble in water but insoluble in alcohols and oils. Unstable to heat, light and acid. Stable under weak acid and neutral (pH4.5~8), precipitation occurs when acidic (pH4.2), strong alkali can be to decolorization.





# Advantages of Binmei's spirulina extract



- Excellent stability and solubility
- Clean label
- Kosher/Halal/Organic
- Vegan
- Shelf life – 24 months
- Country of origin – China
- FSSC22000 Factory Certificate
- Traceable product safety management system
- Products do not contain substances of known allergenic potential

Under the same conditions, Binmei's spirulina extract is more pure and has fewer impurities.



# BINMEI's spirulina extract

## PRODUCT FEATURES

- Excellent stability and solubility
- Clean label
- Kosher/Halal/Organic
- Vegan
- Non-GMO
- Products do not contain substances of known allergenic potential
- Physical Form, such as whether it's a powder or liquid
- FSSC22000 Factory Certificate
- Shelf life – 24 months
- Country of origin – China
- Traceable product safety management system





# BINMEI's product list

PRODUCT	INGREDIENTS	APPLICATIONS
POWDER		
E6	80% Trehalose, 5% Sodium Citrate	Food&Beverage
E10	50% Trehalose, 5% Sodium Citrate	Food&Beverage
<b>E18</b>	<b>35% Trehalose, 5% Sodium Citrate</b>	<b>Food&amp;Beverage</b>
M18	35% Maltodextrin, 5% Sodium Citrate	Food&Beverage
E25	5% Sodium Citrate	Food&Beverage, Cosmetic, Nutritional Supplement
E30	100% Spirulina Extract	Food&Beverage, Cosmetic, Nutritional Supplement
Organic M18	35% Organic Maltodextrin, 5% Sodium Citrate	Food&Beverage
Organic E25	5% Sodium Citrate	Food&Beverage, Cosmetic, Nutritional Supplement
Organic E30	100% Organic Spirulina Extract	Food&Beverage, Cosmetic, Nutritional Supplement
LIQUID		
E3	Water, Sugar	Food&Beverage







# What we offer?

## Customized packaging

Labels, outer packaging, quantities, etc.

## Customized products

Recipes, solutions, application support, technical support, etc.





# THANK YOU

**Zhejiang Binmei Biotechnology Co.,Ltd.**

Add: No.5, Beiyang 9th road, Toumen Port, Linhai, Zhejiang 317015, China

Tel: +86-576-89395152

E-mail: [sales@chinabinmei.com](mailto:sales@chinabinmei.com)

[www.binmei-global.com](http://www.binmei-global.com)