



PRODUCT CATALOG

Ingredient Portfolio & Custom Solutions

Botanical and nutritional ingredients
for commercial formulations



Botanical Extracts · Amino Acids & Nutrients
Liposomal Systems · Natural Colorants · Plant Powders

PORTFOLIO MAP

Contents

Company information, five ingredient series and sourcing support.

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COMPANY PROFILE

Botanical Research & Production

NutriHerb develops and manufactures botanical extracts, plant powders and other plant-derived ingredients. Our headquarters is in Nanjing's BioTech and Pharmaceutical Valley, with a production base in Lishui, Nanjing.

Our work covers raw material identification, extraction and process development for nutrition, food, beverage and personal-care applications.



OUR DEVELOPMENT

2004 Dr. Zhong began the NutriHerb journey with a background in traditional Chinese medicine.

2006 Botanical extract research and development began.

2013 Manufacturing facilities in Lishui, Nanjing expanded.

2015 A new laboratory and R&D center opened.

2016 The range grew to include more botanical powders, fruit and vegetable ingredients, spices and sweeteners.

2021 International business and overseas partnerships expanded.

Present Ingredient development, manufacturing and quality management continue, with customer and supply support.



Manufacturing facilities



Production equipment

Clean production areas and an independent laboratory support ingredient evaluation and development.

APPLICATION SUPPORT

Custom Solutions for Commercial Formulations

Ingredient selection, specification alignment and delivery support across five product series.



Food & Beverage

Ingredients for beverages, functional foods, bakery and snacks, with color and flavor options.

Dietary Supplements

Grades and formats for capsules, tablets, powders, sachets and oral liquids.

Personal Care

Botanical, nutritional and color ingredients for topical and beauty formulations.

Animal Nutrition & Feed

Selected botanical and nutritional ingredients for premixes and feed applications.

Tell us your application, target specification and destination market. We will review suitable ingredients and supply options.

QUALIFICATION SUPPORT

Quality & Documentation

Product-specific documentation supports ingredient review by purchasing, quality and R&D teams.

TECHNICAL FILE SET

- **COA**

Batch-specific results against the approved specification.

- **TDS**

Identity, source or class, format and available specification options.

- **SDS / MSDS**

Handling, storage and safety information for the supplied material.

- **METHOD & CRITERIA**

Test method and acceptance criteria aligned during qualification.

QUALITY EVIDENCE

- **Identity & source**

Ingredient identity and source information reviewed as applicable.

- **Batch traceability**

Records support traceability from incoming material to finished batch.

- **Specification testing**

Microbiology, heavy metals, pesticides and residual solvents as applicable.

- **Additional options**

Discuss third-party testing and certification documents for your product and market.



CERTIFICATION DOCUMENTS

For cGMP, ISO, Kosher or Halal documents, contact us to confirm availability for the relevant product and production site, including the certificate scope and validity.

Botanical Extracts

Plant extracts selected by botanical identity, plant part and specification for formulation development.

01



Botanical Extracts

FEATURED INGREDIENTS 01–03



Boswellia Serrata Extract

Boswellia serrata · Resin

A resin-derived botanical extract. The listed grades cover boswellic acids and AKBA content.

AVAILABLE SPECIFICATIONS

Boswellic acids 10%–95% / AKBA 30%

Turmeric Root Extract

Curcuma longa · Rhizome

An extract of turmeric rhizome, with a range of curcumin concentrations for ingredient selection.

AVAILABLE SPECIFICATIONS

Curcumin 10%–95%



Tongkat Ali Extract

Eurycoma longifolia · Root

A root-derived botanical extract. Eurycomanone content defines the listed specification range.

AVAILABLE SPECIFICATIONS

Eurycomanone 1%–10%

Grades and test methods require confirmation against the approved specification.

Ingredient images are illustrative. Actual appearance varies by grade.

Botanical Extracts

FEATURED INGREDIENTS 04–06



Maca Extract

Lepidium meyenii · Root

A root extract of *Lepidium meyenii*. Macamide content is the marker used for the listed grades.

AVAILABLE SPECIFICATIONS

Macamides 0.1%–1%



Saw Palmetto Extract

Serenoa repens · Fruit

An extract of *Serenoa repens* fruit, with specifications based on total fatty acid content.

AVAILABLE SPECIFICATIONS

Fatty acids 25%–45%



Broccoli Seed Extract

Brassica oleracea var. italica · Seed

A seed-derived botanical extract with separate specifications for sulforaphane and glucoraphanin.

AVAILABLE SPECIFICATIONS

Sulforaphane 0.1%–10%

Glucoraphanin 1%–20%



Grades and test methods require confirmation against the approved specification.

Ingredient images are illustrative. Actual appearance varies by grade.

12-PRODUCT SELECTION

Botanical Extract Portfolio

Product identity, form, specification and application at a glance.

Product	Botanical source	Plant part / form	Specification	Applications
Boswellia Serrata Extract	Boswellia serrata	Resin / powder	Boswellic acids 10%–95% AKBA 30%	Mobility & wellness
Turmeric Root Extract	Curcuma longa	Rhizome / powder	Curcumin 10%–95%	Antioxidant blends
Tongkat Ali Extract	Eurycoma longifolia	Root / powder	Eurycomanone 1%–10%	Vitality formulations
Maca Extract	Lepidium meyenii	Root / powder	Macamides 0.1%–1%	Energy formulations
Saw Palmetto Extract	Serenoa repens	Fruit / powder	Fatty acids 25%–45%	Men's wellness
Broccoli Seed Extract	Brassica oleracea	Seed / powder	Sulforaphane 0.1%–10% Glucoraphanin 1%–20%	Cellular support
Ashwagandha Extract	Withania somnifera	Root / powder	Withanolides 1.5%–10%	Stress-balance blends
Pomegranate Extract	Punica granatum	Fruit peel / powder	Ellagic acid 40%–95%	Antioxidant blends
Green Tea Extract	Camellia sinensis	Leaf / powder	Polyphenols 98% EGCG 10%-98% Theanine 30%-98%	Wellness beverages
Magnolia Bark Extract	Magnolia officinalis	Bark / powder	Magnolol 2%–98% Honokiol 2%–98%	Relaxation blends
Panax Ginseng Extract	Panax ginseng	Root / powder	Ginsenosides 5%–98% (UV)	Energy & vitality
Blueberry Extract	Vaccinium spp.	Fruit / powder	Anthocyanins 5%–25% (UV)	Color & antioxidant blends

Options are subject to approved specification, test method and COA.

Our range extends beyond this list. Explore more ingredients and grades:

www.naturemfg.com | www.nutriherbio.com

Amino Acids & Nutrients

Amino acids, vitamins and mineral ingredients selected by chemical form and specification for nutritional formulations.

02



Amino Acids & Nutrients

FEATURED INGREDIENTS 01–03



Magnesium Glycinate

Chelated mineral

A chelated mineral ingredient that combines magnesium with glycine, supplied in powder form.

LISTED SPECIFICATION

98%

Taurine

Amino sulfonic acid

Also known as 2-aminoethanesulfonic acid, taurine is part of our nutritional ingredient range and is supplied as a powder.

LISTED SPECIFICATION

98%

Glycine

Amino acid

The simplest protein-forming amino acid. Our range includes glycine powder for use as an individual ingredient or in a blend.

LISTED SPECIFICATION

98%

Magnesium glycinate: the listed 98% specification does not denote elemental magnesium content.

Ingredient images are illustrative. Actual appearance varies by grade.

Amino Acids & Nutrients

FEATURED INGREDIENTS 04–06



L-Citrulline

Free-form amino acid

L-Citrulline in free amino acid form, supplied as a powder for nutritional ingredient blends.

LISTED SPECIFICATION

98%

L-Lysine HCl

Amino acid salt

The hydrochloride salt of L-lysine. This powder grade provides a defined ingredient form for formulation work.

LISTED SPECIFICATION

98%

L-Tyrosine

Amino acid

L-Tyrosine powder within our amino acid range. Confirm the assay and physical properties for the selected grade.

LISTED SPECIFICATION

98%

Grades and test methods require confirmation against the approved specification.

Ingredient images are illustrative. Actual appearance varies by grade.

13-PRODUCT SELECTION

Amino Acids & Nutrients Portfolio

Product identity, form, specification and application at a glance.

Product	Class	Form	Specification	Applications
Magnesium Glycinate	Chelated mineral	Powder	Mg content: 11%, 14%, 20%	Capsules / blends
Magnesium Malate	Mineral	Granules	Mg content: 20% 20 mesh	On request
Taurine	Amino sulfonic acid	Powder	98%	Beverages / sports nutrition
Glycine	Amino acid	Powder	98%	Powders / beverages
L-Citrulline	Amino acid	Powder	98%	Sports nutrition
L-Lysine HCl	Amino acid salt	Powder	98%	Capsules / premixes
L-Tyrosine	Amino acid	Powder	98%	Capsules / powders
L-Tyrosine	Amino acid	Powder	98%	Beverage powders
Citicoline	Choline donor	Powder	98%	Capsules / sachets
Vitamin K2 (MK-7)	Vitamin	Powder / oil	1%–98%	Capsules / blends
Vitamin D3	Vitamin	Powder / oil	100,000–40,000,000 IU/g	Capsules / premixes
Vitamin B12	Vitamin	Powder	1%–98%	Tablets / blends
Vitamin E	Vitamin	Powder / oil	30%–95%	Capsules / foods

03

Liposomal Delivery Systems

Selected active ingredients in phospholipid formulations, with concentration and delivery format matched to the product brief.

Liposomal technology

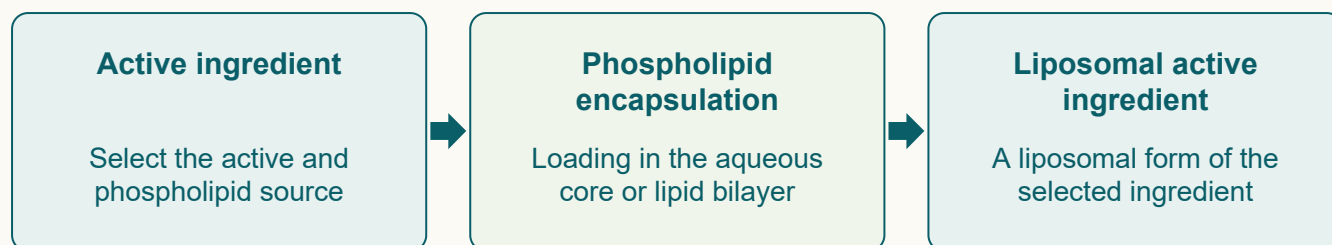
Liposomal technology is an encapsulation and delivery approach, not a single active ingredient. It is used for selected botanical, nutritional and cosmetic actives. Depending on the formulation, it may improve dispersion, stability or bioavailability.



Phospholipid structure

Phospholipids have hydrophilic heads and hydrophobic tails. In water, they self-assemble into bilayer vesicles. Sunflower- or soy-derived phospholipids can be selected to suit the formulation.

Encapsulation principle



Illustrative principle. Loading methods vary. Benefits depend on the formulation and test data.

Liposomal Delivery Systems

FEATURED INGREDIENTS 01–03



Liposomal Resveratrol

Resveratrol · Phospholipid formulation

A resveratrol formulation with two listed active-content options for projects using a phospholipid delivery system.

LISTED ACTIVE CONTENT
50% / 70%

Liposomal Vitamin C

Vitamin C · Phospholipid formulation

Three listed active-content options allow selection of a vitamin C concentration to match the ingredient brief.

LISTED ACTIVE CONTENT
50% / 70% / 85%



Liposomal CoQ10

CoQ10 · Phospholipid formulation

Coenzyme Q10 in a phospholipid-based formulation. Two active-content options are listed for grade selection.

LISTED ACTIVE CONTENT
50% / 70%

Liposomal Delivery Systems

FEATURED INGREDIENTS 04–06



Liposomal Glutathione

Reduced glutathione · Phospholipid formulation

A phospholipid formulation containing reduced glutathione, a tripeptide. Two active-content specifications are available.

LISTED ACTIVE CONTENT
50% / 70%



Liposomal NMN

NMN · Phospholipid formulation

Nicotinamide mononucleotide (NMN) in a phospholipid formulation, with two listed active-content options.

LISTED ACTIVE CONTENT
50% / 70%



Liposomal PQQ

PQQ · Phospholipid formulation

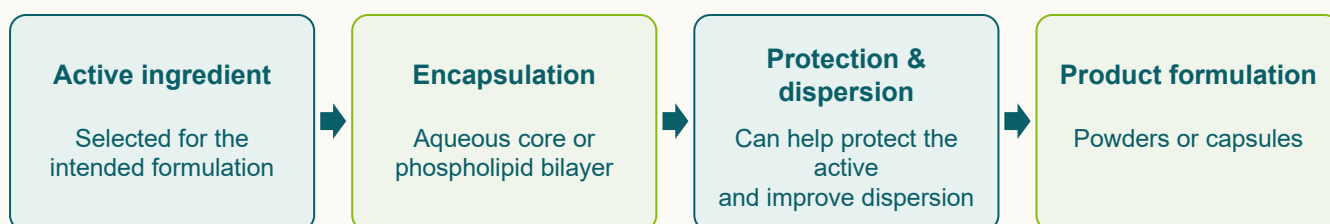
A phospholipid formulation of pyrroloquinoline quinone (PQQ), with active content specified for grade selection.

LISTED ACTIVE CONTENT
50% / 70%



12-PRODUCT SELECTION

Liposomal Product Portfolio



Potential benefits depend on formulation and test data. This diagram does not guarantee improved absorption.

All products below are liposomal formulations.

Product	Active	Format	Active content	Applications
Liposomal Resveratrol	Resveratrol	Powder	50%, 70%	Capsules / sachets
Liposomal Vitamin C	Vitamin C	Powder	50%, 70%, 85%	Beverages / sachets
Liposomal CoQ10	CoQ10	Powder	50%, 70%	Capsules
Liposomal L-Glutathione	Glutathione	Powder	50%, 70%	Capsules / sticks
Liposomal NMN	NMN	Powder	50%, 70%	Capsules / sachets
Liposomal PQQ	PQQ	Powder	50%, 70%	Capsules / sachets
Liposomal EGCG	EGCG	Powder	50%, 70%	Powders / beverages
Liposomal Iron Salt	Iron salt	Powder	50%	Capsules / premixes
Liposomal Zinc Salt	Zinc salt	Powder	50%	Capsules / premixes
Liposomal Calcium Salt	Calcium salt	Powder	50%	Powders / beverages
Liposomal Magnesium Salt	Magnesium salt	Powder	50%	Powders / beverages
Liposomal Copper Salt	Copper salt	Powder	50%	Capsules / premixes

Our range extends beyond this list. Explore more ingredients and grades:

www.naturemfg.com | www.nutriherbio.com

SERIES 04

Natural Colorants

Color ingredients from botanical and fermentation sources, selected by shade, color strength and processing conditions.



01

PRODUCT FOCUS

Natural colorants from botanical and fermentation sources, extracted and standardized to defined color strength for formulation use.

02

TYPICAL FORMS

Powder, liquid, suspension, emulsion or oleoresin depending on the ingredient.

03

GRADE SELECTION

Source, shade, color value or assay, solubility, pH, heat and light stability.

04

TYPICAL APPLICATIONS

Beverages, confectionery, dairy alternatives, bakery, sauces and oral care.

Share your application and target specification for an ingredient review.

Natural Colorants

FEATURED INGREDIENTS 01–03



Monascus Red

Fermentation-derived · Red

A fermentation-derived red colorant. The selected grade is specified by color value and intended application.

COLOR VALUE / ASSAY
E100

Sodium Copper Chlorophyllin

Chlorophyll-derived · Green

A chlorophyll-derived green colorant. Assay, product matrix and processing conditions guide grade selection.

COLOR VALUE / ASSAY
95%–99%



Gardenia Yellow

Gardenia fruit · Yellow

A yellow colorant derived from gardenia fruit. Color value defines the strength of the selected grade.

COLOR VALUE / ASSAY
E30–E600



Color value E measures strength. Confirm the test method and permitted use for each market.

Company source images. Actual shade depends on the selected grade.

Natural Colorants

FEATURED INGREDIENTS 04–06



Radish Red

Red radish · Red to pink

A colorant from red radish for red-to-pink shades. Final appearance depends on the formulation and processing conditions.

COLOR VALUE / ASSAY
E30–E50



Lutein

Marigold · Yellow to orange

A marigold-derived ingredient with yellow-to-orange color. Assay and final form distinguish the available grades.

COLOR VALUE / ASSAY
5%–76%



Black Carrot Color

Black carrot · Red to purple

A colorant from black carrot for red-to-purple shades. Evaluate the selected grade in the intended product matrix.

COLOR VALUE / ASSAY
E50



Color value E measures strength. Confirm the test method and permitted use for each market.

Ingredient images are illustrative. Actual appearance varies by grade.

12-PRODUCT SELECTION

Natural Colorants Portfolio

Product identity, form, specification and application at a glance.

Product	Source	Shade	Specification	Applications
Monascus Red	Fermentation-derived	Red	E100	Confectionery / sauces
Sodium Copper Chlorophyllin	Chlorophyll-derived	Green	95%–99%	Beverages / oral care
Gardenia Yellow	Gardenia fruit	Yellow	E30–E600	Beverages / noodles
Radish Red	Red radish	Red-pink	E30–E50	Beverages / gummies
Lutein	Marigold	Yellow-orange	5%–76%	Dairy / supplements
Black Carrot Color	Black carrot	Red-purple	E50	Beverages / desserts
Safflower Yellow	Gardenia	Yellow	E60–E150	Beverages / bakery
Gardenia Blue	Gardenia	Blue	E30–E220	Confectionery / desserts
Phycocyanin	Spirulina	Blue	E3–E30	Beverages / dairy
Paprika Oleoresin	Paprika	Orange-red	E150	Sauces / snacks
Red Cabbage Color	Red cabbage	Red-purple	E20–E50	Beverages / gummies
Beta-Carotene	Fermentation-derived	Yellow-orange	1%–20%	Beverages / dairy

Color value E is a strength measure, not an additive E-number. Confirm method and permitted use.

Our range extends beyond this list. Explore more ingredients and grades:

www.naturemfg.com | www.nutriherbio.com

SERIES 05

Fruit, Vegetable & Botanical Powders

Fruit, vegetable and culinary plant powders provide flavor, color and solids for foods and beverages.



01

PRODUCT FOCUS

Single-source fruit, vegetable and selected plant powders plus custom blends.

02

TYPICAL FORMS

Freeze-dried, spray-dried, milled or blended powders, depending on the ingredient.

03

GRADE SELECTION

Source, process, mesh, moisture, color, flavor and carrier options.

04

TYPICAL APPLICATIONS

Beverages, smoothies, bakery, snacks, desserts, gummies and premixes.

Share your application and target specification for an ingredient review.

Fruit, Vegetable & Botanical Powders

FEATURED INGREDIENTS 01–03



Blueberry Powder

Blueberry

A blueberry-derived powder with a listed 10:1 specification. Drying method and carrier composition depend on the grade.

Craftsmanship
Spray drying

Acai Berry Powder

Acai berry

A berry powder ingredient with a spray-dried reference grade. Moisture is one of the key specification parameters.

Craftsmanship
Spray drying



Acerola Cherry Powder

Acerola cherry

Acerola cherry powder with a listed 10:1 specification. Particle size and loss on drying support grade selection.

Craftsmanship
Spray drying

Reference values require confirmation against the approved specification and COA.

Ingredient images are illustrative. Actual appearance varies by grade.

Fruit, Vegetable & Botanical Powders

FEATURED INGREDIENTS 04–06



Aronia Powder

Aronia berry

Aronia berry powder for food and beverage formulations. Particle size is specified by the percentage passing the stated mesh.

Craftsmanship

Spray drying



Mixed Fruit & Vegetable Powder (Red)

Selected red fruits and vegetables

A blend of fruit and vegetable powders. The ingredient composition and proportions depend on the agreed formulation.

Craftsmanship

Spray drying



Ube Powder

Purple yam

Purple yam powder for bakery and dessert formulations. Drying method and particle size depend on the selected grade.

Craftsmanship

Spray drying



Reference values require confirmation against the approved specification and COA.

Ingredient images are illustrative. Actual appearance varies by grade.

12-PRODUCT SELECTION

Fruit, Vegetable & Botanical Powders

Fruit, vegetable and culinary leaf powders for food and beverage applications.

Product	Source	Process	Particle size	Applications
Blueberry Powder	Blueberry	Freeze-/spray-dried	95% passing 80 mesh	Beverages / bakery
Acai Berry Powder	Acai berry	Spray-dried	95% passing 80 mesh	Smoothies / bowls
Acerola Cherry Powder	Acerola cherry	Spray-/freeze-dried	95% passing 80 mesh	Beverages / gummies
Aronia Powder	Aronia berry	Freeze-/spray-dried	100% passing 80 mesh	Beverages / bakery
Mixed Fruit & Vegetable Powder (Red)	Mixed sources	Spray-dried blend	Approx. 80 mesh	Beverages / snacks
Butterfly Pea Flower Powder	Butterfly Pea Flower	milled	80–200 mesh	Bakery / desserts
Taro Powder	Taro root	AD / milled	80–120 mesh	Beverages / bakery
Ginger Root Powder	Ginger root	AD/SD / milled	Approx. 80 mesh	Beverages / seasoning
Carrot Root Powder	Carrot root	Spray-dried/AD	80 mesh	Beverages / soups
Ube Powder	Purple yam	SD / milled	80–120 mesh	Bakery / desserts
Purple Sweet Potato Powder	Purple sweet potato	AD/SD / milled	80–100 mesh	Bakery / noodles
Beetroot Powder	Beetroot	AD/SD	≥95% passing 40 mesh	Beverages / snacks

**Pandanus is a culinary leaf powder. Particle sizes are indicative. Blueberry and acerola grades: 10:1. Confirm the approved specification and COA.*

Our range extends beyond this list. Explore more ingredients and grades:

www.naturemfg.com | www.nutriherbio.com

PORTFOLIO NAVIGATION

Ingredient Selection Guide

Compare the five series by specification, customization options and qualification requirements.

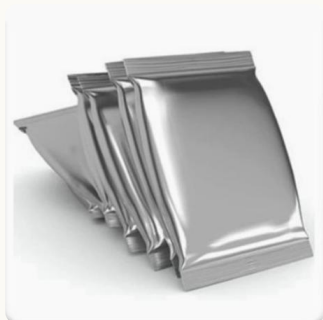
Series	Starting point	Options to discuss	Confirm
Botanical Extracts	Target marker / assay Botanical source	Extract ratio Plant part Carrier and format	Method and source Approved specification COA
Amino Acids & Nutrients	Dosage form Purity / strength Solubility	Grade and particle size Instantization Packaging	Form and purity Test method COA
Liposomal Systems	Active ingredient Target loading Powder	Phospholipid system Active loading Delivery format	Loading and method Storage requirements Packaging
Natural Colorants	Product matrix Target shade Process conditions	Source and strength Stability target Powder / liquid	Color value / assay Permitted use Destination market
Fruit, Vegetable & Botanical Powders	Flavor / color goal Application Preferred process	Source and drying method Mesh and moisture Custom blend	Mesh and moisture Process / format COA

Confirm the approved specification, test method and market suitability for the selected grade.

COMMERCIAL SUPPLY

Packaging, Lead Time & Storage

Confirm the pack format, stock status, lead time, storage and shelf-life statement with the quotation and approved specification.



Aluminum Foil Bags



Aluminum Bottles



Plastic Drums



Fiber Drums



Cartons

Indicative outer-drum dimensions: Ø38 × 50 cm

Indicative bag dimensions: 22 × 32 cm

Packaging examples. Final format and dimensions are confirmed with your order.

- **Lead time**

Typical lead time for in-stock items is 2–3 business days. Made-to-order timing is quoted separately.

- **Shelf life**

Typically 24 months; confirm the exact statement on the product specification.

- **Storage**

Store sealed in a cool, dry place and protect from heat, light and moisture as applicable.

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INQUIRY SUPPORT

Your Next Ingredient Project

Tell us your application, target specification and destination market. Our team will review ingredient options and supply requirements.

- 01** Share the application and target specification
- 02** Review suitable ingredients, grades and formats
- 03** Receive samples, documents and a quotation

**BOTANICAL EXTRACTS
NUTRITIONAL
INGREDIENTS
CUSTOM SOLUTIONS**

WEBSITES	www.naturemfg.com www.nutriherbio.com
EMAIL	sales@naturemfg.com
TELEPHONE	+86 25 58862502
WHATSAPP	+86 17368474896