



RAINBOW

# Xi'an Rainbow® Biotech Co.,LTD

Herbal Extracts and Pure Products for the  
Pharmaceutical and Nutraceutical Industries



## ABOUT US

Rainbow® biotech is specialized in the extraction of active ingredients from plants, fungi, particularly Polysaccharide, Saponin, Polyphenols, Flavone for the cosmetic, feeding and food industries. At Rainbow®, we provide quality extraction products such as Echinacea extract (Chicoric Acid 4%), Yucca Schidigera Extract (Yucca Saponins 8%-80), Rhodiola Rosea (3% Rosavin, 1% Salidroside) and Cistanche tubulosa extract (Echinacoside 50%, Acteoside 10%) with the form of powder, liquid, granule and other forms developed with highly controlled extraction processes. We are proud of our experienced technician's in-depth knowledge of active ingredients, that's are crucial for serving our customers in pharmaceuticals, foods&beverage, animal nutrition and personal care ingredients.

We have over 16 years of experience in the manufacturing and sales of herbal ingredients extracts and reference substances. Since 2019, Our processing center, BioconNutri Biotech, which comprises 3,500 square meters of space, is ISO 9001 certified. We can also provide Halal and Kosher certifications. Our excellence in technology and innovation would enhance not just the life of human quality but also for animals.



# WHY US

Depending on high-class local plant resources, Rainbow engaging in R&D, production of natural herb products and plant extracts has been working on supplying high-quality natural products for food, health care products, cosmetics, natural pigment, animal nutrition and other industries over the years.

## **Quality Control**

Our products are under highly controlled extraction processes and recognized certifications. The strict quality control practices and a highly experienced team constantly guarantee quality for the final product at every step of the production.

## **R&D Team**

With over a decade of experience in the fields of Echinacea purpurea and other botanical extraction, Rainbow®'s highly experienced team is responsible for customers by guaranteeing quality from the research and development of the product.

## **Services**

Here at Rainbow® biotech, we are providing premium quality products and maintaining high levels of service to our customers. no matter the standards extraction or an OEM mixed proportional, you can find proper solutions here.

# Manufacturing Capabilities

## *Pharma grade equipment and Ultrafine atomization extraction*

We have had modern manufacturing factories with GMP certification since 2019. Our processing center, BioconNutri Biotech is located in Shangluo City, the south of QINLING Mountain, where you can experience the richness of nature, known for its fertile soil, the great temperature difference between day and night in China. The Factory has been certified by ISO9001 to ensure high-quality manufacturing and customer satisfaction. Currently, the factory can process&manufacture 2500 tons of herb extracts annually and increase year by year.



- Pharma grade equipment
- GMP compliant production facility
- 120 square meters Microbiology cleanroom blocks
- 1,500 square meters rooms for final production inventory

# Test Capabilities



Our company controls all stages of Research&Development, industrial manufacturing, test, application laboratories, and the quality assurance process. Our analytic chemists adopt advanced detection methods such as HPLC, UV, TLC, Microbiology to properly provide a guarantee for botanical quality, integrity and purity.

- High-Performance Liquid Chromatography (HPLC)
- Ultraviolet (UV)
- Thin-layer chromatography(TLC)
- Microbiology

# Certifications



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# Featured Products

## Echinacea Purpurea Extract

Products Codes	Specifications	Test method	Forms
RaBEP01	Polyphenols 4%	UV	Liquid/ Powder/ Granular
RaBEP02	Polyphenols 4%	HPLC	Powder/ Granula
RaBEP03	Echinacoside 4%	HPLC	Powder/ Granula
RaBEP04	Chicoric Acid 1%	HPLC	Powder/ Granula
RaBEP05	Chicoric Acid 2%	HPLC	Powder/ Granula
RaBEP06	Chicoric Acid 4%	HPLC	Powder/ Granula

## Horse Chestnut Extract

Products Codes	Specifications	Test Method
RaBHC01	Aescin 20%	UV
RaBHC02	Aescin 20%	HPLC

## Cistanche Tubulosa Extract

Products Codes	Specifications	Applications
RaBCiT01	Echinacoside 50% + Acteoside10%	Dietary supplements
RaBCiT02	60% Total Glycoside (22% Echinacoside +6% Acteoside)	Anti oxidant, Dietary supplements

RaBCiT03	80% Total Glycoside (22% Echinacoside +8% Acteoside)	Anti oxidant, Dietary supplements
RaBCiT04	10% Echinacoside +4% Acteoside	Dietary supplements
RaBCiT05	5% -70% Echinacoside	Brain health, Skincare, Health supplements
RaBCiT06	3% - 80% Acteoside	Skincare, Men health, Reduce damage from external radiation

### **Yucca Schidigera Extract**

Yucca Saponins 8%-80%

Yucca Saponins 4:1

Yucca Saponins 10:1

### **Rhodiola Rosea Root Extract**

3% Rosavin

1% Salidroside

### **Eucommia Ulmoides Extract**

Chlorogenic Acid 98%

### **Mulberry Leaf Extract**

1-Deoxynojirimycin (DNJ) 1%, 5%

Flavones 5%-25%

### **Sophora Japonica Extract**

Quercetin: 95%-99%

Rutin: 95%

Sophoricoside: 10%,15%,20%, 50%, 98%

### **White Kidney Bean Extract**

Phaseolin 1%, 2%

White Kidney Bean Extract 5:1, 10:1, 20:1(HPLC)



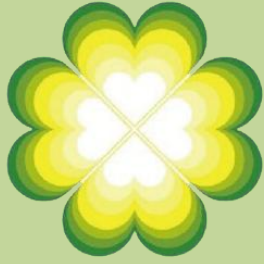


# Other Standard Extract

Products	Specifications	Test Methods
Marigold Extract	Lutein 5%-80% Zeaxanthin	UV /HPLC
Horse Chestnut Extract	Aescin 20%-60%	HPLC/UV
Hops extract	Flavonoids 2%-10% Xanthohumol 5%-98%	UV HPLC
Ivy Extract	Total Saponins 10%-35% Hederacoside C 3%,10%	UV HPLC
Tribulus Terrestris Extract	Saponin 40%-60%	UV
Ginger Extract	Gingerols 5%-10%	HPLC
Hawthorn Extract	Flavones 5%-80% Vitexin Rhamnoside 2%-8% Vitexin 2%	UV HPLC
Reishi Mushroom Extract	Polysaccharide 20%-50% Ganoderma Triterpenes	UV HPLC
Passion Flower extract	Flavones 3%-5%	UV
Black Cohosh Extract	Triterpenoid Saponins 2.5% -8%	HPLC
Fenugreek Extract	Protodioscin 1%-10%	UV
Avocado extract	35%ASU ; fruit powder	UV
Marigold Extract	Lutein 20%(oil) Lutein 5-20%(powder)	HPLC
Green Coffee Bean Extract	5%-99% Chlorogenic Acid	HPLC

Gardenia Extract	Geniposide 10%-50%	HPLC/UV
Giant Knot Weed Extract	Resveratrol 20%-99%	HPLC
Panax Ginseng Extract	Ginsenosides 5-80%	HPLC/UV
Astragalus Root Extract	Polysaccharide 30%-50%	UV
Sea Buckthorn Extract	Flavones 5%-40% Sea Buckthorn oil	UV
Siberian Ginseng Extract	Eleutherosides B+E 0.8%	HPLC
Garlic Extract	Garlicin 5%- 50% powder and oil	HPLC
Black Pepper Extract	Piperine 98%	HPLC
Rose Hips Extract	Polyphenols 10%-40%	UV
Thermopsis Lanceolata	Cytisine 98%	HPLC
Black Rice Extract	C3G(Cyanidin-3-o- glucoside)	HPLC
Gymnema PE.	Gymnemic acids 25%, 75%	By Gravity
Schisandra Extract	Total Schisandrins 1%-9%	HPLC
	Schisandrin A 1%-5%	HPLC
Beta-ecdysterone	Beta-ecdysterone 50%, 90%	HPLC/UV
Horse Chestnut Extract	Aescin 20%-60%	HPLC/UV
Bitter Orange Extract	Hesperidine 90%	HPLC
	Diosmin 90%	HPLC
Green Tea Extract	Tea Polyphenols 20-98%	UV
	EGCG 30%, 40%	HPLC

Jujube seed extract	Jujuboside 2% Jujuboside A+B 0.1-0.25%	HPLC
Broccoli extract	Sulforaphanes 0.1%-98%	HPLC
Grape seed extract	All specification	UV
Apple extract	Polyphenols/Phlorizin 40% -95%	UV
Chaga extract	Polysaccharide 10-50%	uv
Soy Bean Extract	Soya Isoflavones 10%-80%	UV
Turmeric Extract	Curcumin 95%	HPLC
Buckwheat Extract	Dietary Fiber/Flavonoids 5 %-95%	UV
White Birch Bark Extract	95%- 98% Betulin; 98% Betulinic acid	HPLC
White Willow Bark Extract	Salicin 15%-98%	HPLC
Spirulina	120 Mesh	/
MCT powder	/	/
Chamomile extract	Apigenin 3%, 98%	HPLC
Celery seed extract	Apigenin 1.5%	HPLC
Berberine extract	Berberine 50% , 98%	HPLC
Lemon balm extract	Flavone 6%	UV
Artichoke Extract	Cynarin 2.5%-5%	HPLC



## Your botanical extract manufacturer

Rainbow biotech is available upon request, according to trends and availability of raw materials. You are more than welcome to ask our commercial team for more details. This catalogue does not gather full product range manufactured by Rainbow biotech.

### CONTACT US

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