



**BIO-BOTANICA® INC.**

*Where science brings out  
the best of nature.™*

**Bio-Botanica® , Inc.**

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**Worldwide distribution, Made in the U.S.A**

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**BIO-BOTANICA, INC.**  
BOTANICAL EXTRACTS  
ARE WHAT WE DO!

# Food, Beverage & Supplement GUIDE





## WELCOME TO BIO-BOTANICA®

Family owned and operated for 46 years;  
maintaining the same integrity and principles.

**B**io-Botanica® is a family-owned and operated company, specializing in botanicals for over 45 years. We are a leading manufacturer of 500+ quality botanical extracts for personal care/cosmetic, food and beverage, flavor/fragrance, supplement and nutraceutical industries. A well-recognized industry innovator known for pioneering numerous advancements in the botanical field, we pride ourselves on long-term customer relationships developed since 1972 based upon both flexibility and versatility in manufacturing products tailored to a broad-range of applications. Our USA manufacturing enables fast turnaround for customers.

Bio-Botanica's® 160,000-square-foot botanical extraction facility houses its own R&D, Microbiological and QC Laboratories. This represents a tremendous resource when looking for solutions for botanical applications. Customers benefit from our state-of-the-art facility and highly specialized staff of Ph.D. natural product chemists, who work together on every project, ensuring that Bio-Botanica® successfully meets customer goals and objectives.



## OUR PHILOSOPHY

The therapeutic value of a plant extract lies in its 'holistic balance' of components, which Bio-Botanica® captures using our pioneering Bio-chelated® extraction technique. We now employ the same holistic principles to our 'holistically balanced® botanical authentication.'

Traditionally, phytochemical authentication involves the analysis of one or a few components. Our innovative 'holistic authentication™' expands upon tradition to capture the entire phytochemical spectrum of a plant. We obtain a 'botanical fingerprint' using state of the art LC/MS-MS along with other proprietary analytical techniques. The data is analyzed using advanced chemometric approaches, including Principal Component Analysis (PCA), which can detect minor deviations from the natural balance.

The result of our 'holistic authentication™' is a botanical product that is as close to nature as possible. The value is passed on to both you, and the consumer, who can rest assured that the botanical extract in your hand is authentic, safe, and effective.



# OUR FACILITY

**B**io-Botánica's\* manufacturing facility includes an extraction department, distillation, packaging and filling (under HEPA filtered air and positive air flow), and an in-house regulatory department. We travel the world to find these botanicals for our products, then contract with responsible suppliers, organic farmers and wild-crafters to responsibly collect these botanicals.



QUALITY CONTROL LAB

COMPOUNDING DEPARTMENT



R&D LAB



5012  
FE Blueberry Leaf  
*Vaccinium angustifolium*  
(Blueberry) Leaf Extract



R&D LAB

REGULATORY DEPARTMENT



# THE GENIUS OF MOTHER NATURE IN EVERY BOTTLE



Bio-Botanica® employs a professional staff of natural product chemists, pharmacologists, microbiologists, formulation chemists and herbalists. Our Analytic Chemists utilize state-of-the-art equipment such as HPLC, FTIR, GC/MS, LC/MS-MS, TLC, ICP/MS & TOC to properly validate botanical quality, integrity and purity. Our experienced staff and modern laboratories are a tremendous resource when looking for solutions to your botanical applications.

Bio-Botanica® houses one of the oldest and most impressive private **Herbariums** in the United States. This priceless resource contains over 800 authenticated herbal plant samples, as they appear in nature, and have been obtained from all corners of the world. Authenticated samples from the Herbarium serve as the standard by which all incoming raw material is judged. Using carefully controlled extraction techniques, we have developed a library of standard extracts that serve the 'authentic botanical fingerprints'.

5103

**FE Orange Peel**

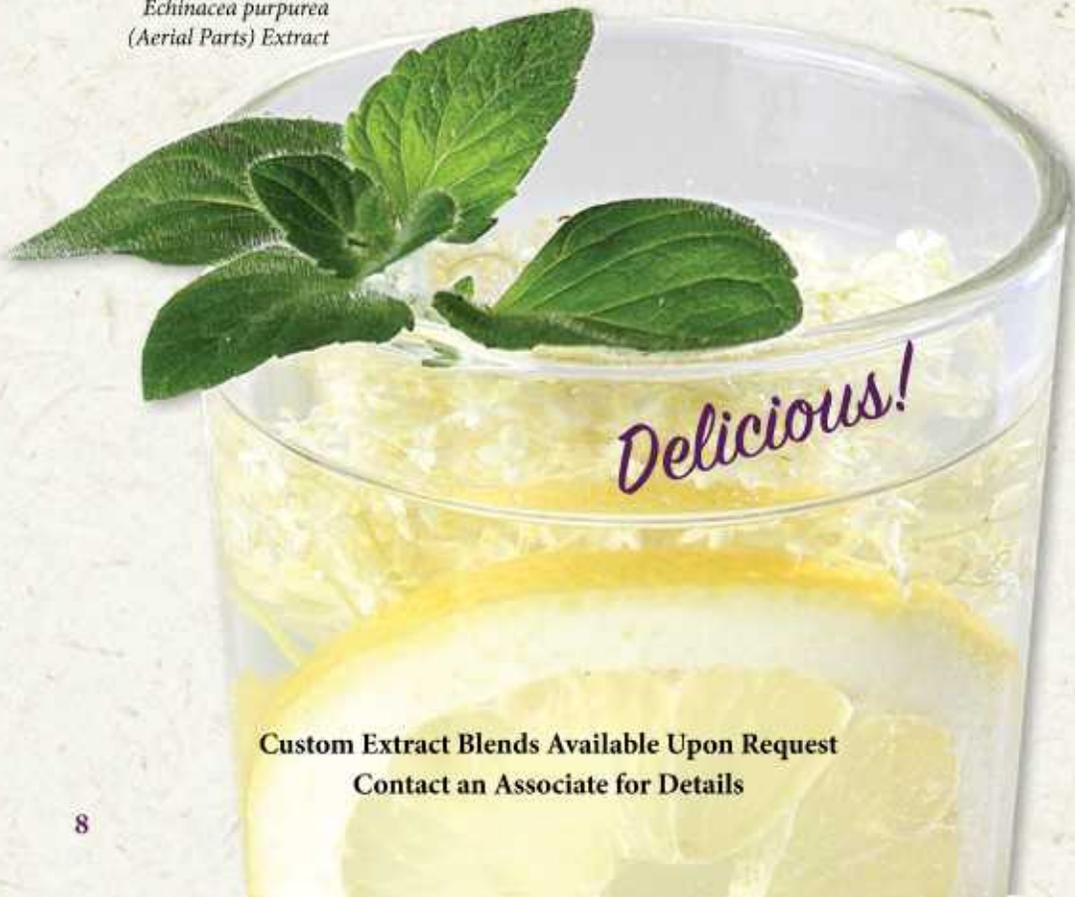
*Citrus aurantium dulcis*  
(Orange) Peel



# POWDERED EXTRACTS

Bio-Botanica combines its “holistically balanced” extracts with various excipients to create free flowing powdered extracts. Through our spray drying and vacuum oven drying facilities, we create free flowing powdered extracts suitable for the nutritional supplement, food and flavor industries. These powdered extracts meet the rigorous QC and GMP requirements set by the industries they are sold to.

4228  
Elder Flowers  
*Echinacea purpurea*  
(Aerial Parts) Extract



Custom Extract Blends Available Upon Request  
Contact an Associate for Details

Product Code	Product Name	INCI Name
4032	PE BERBERIS VULGARIS 4:1	<i>Berberis vulgaris</i> Root Extract
4318B	PE GREEN TEA WITH 6% CAFFEINE	<i>Camelia sinensis</i> Leaf Extract
4321A	PE GUARANA 10%	<i>Paullina cupana</i> Seed Extract
4330SD	PE HOPS 4:1	<i>Humulus lupulus</i> (Hops) Extract
4364	PE KELP	<i>Ascophyllum nodosum</i> Extract
4568	PE ROSEMARY	<i>Rosmarinus officinalis</i> (Rosemary) Leaf Extract
4044	PE ALOE PHYTOGEL 1:199	<i>Aloe barbadensis</i> Leaf Juice
4048	PE BLACK WALNUT 10:1	<i>Juglans nigra</i> (Black Walnut) Shell Extract
4054SD	PE BLADDERWRACK	<i>Fucus vesiculosus</i> Extract
4144SD	PE CHAMOMILE FLOWER	<i>Chamomilla recutita</i> (Matricaria) Flower Extract
4156B	PE CHICKWEED W/O CARAMEL	<i>Stellaria media</i> (Chickweed) Extract
4204	PE DANDELION	<i>Taraxacum Officinale</i> (Dandelion) Rhizome/Root Extract
4222T	PE ECHINACEA FLOWERING TOPS	<i>Echinacea purpurea</i> (Aerial Parts) Extract
4228	PE ELDER FLOWERS	<i>Sambucus nigra</i> Flower Extract
4246	PE EYEBRIGHT	<i>Euphrasia officinalis</i> Extract
4258	PE FENNEL SEED	<i>Foeniculum vulgare</i> (Fennel) Fruit Extract
4264	PE FENUGREEK	<i>Trigonella foenum-graecum</i> (Fenugreek) Seed Extract
4288	PE GINGER ROOT 4%	<i>Zingiber officinale</i> (Ginger) Root Extract, <i>Zingiber Officinale</i> (Ginger) Root Oil

Product Code	Product Name	INCI Name
4297	PE PANAX GINSENG	<i>Panax ginseng</i> Root Extract
4318	PE GOTU-KOLA 4:1	<i>Hydrocotyle asiatica</i>
4324SDW	PE HAWTHORN BERRIES SD	<i>Crataegus laevigata/Crataegus monogyna</i>
4341	PE HORSECHESTNUT	<i>Aesculus hippocastanum</i> (Horse Chestnut) Seed Extract
4342A	PE SPRINGTIME HORSETAIL GRASS 8:1	<i>Equisetum arvense</i> (Horsetail) Extract
4342WSP	HORSETAIL 6%, PE	<i>Equisetum arvense</i> (Horsetail) Extract
4348	PE HYDRANGEA 4:1	<i>Hydrangea arborescens</i> Root Extract
4354	PE HYSSOP HERB 4:1	<i>Hyssopus officinalis</i> Extract
4363	PE KELP 1-10	<i>Ascophyllum nodosum</i> Extract
4368SP	PE KOLA NUT 10%	<i>Cola nitida</i> Seed Extract
4380	PE LEMON BALM	<i>Melissa officinalis</i> Flower/Leaf/Stem Extract
4406	PE MARIGOLD	<i>Calendula officinalis</i> Flower Extract
4412	PE MARSHMALLOW ROOT	<i>Althaea officinalis</i> Root Extract
4464A	PE OATS 10:1	<i>Avena sativa</i> (Oat) Seed Extract
4478SD	PE PASSION FLOWER 4:1	<i>Passiflora incarnata</i> Aerial Parts Extract
4490	PE PEPPERMINT LEAVES	<i>Mentha piperita</i> (Peppermint) Leaf Extract
4523	PURESTEROL* PUERARIA MIRIFICA EXTRACT Pat#7658955	<i>Pueraria mirifica</i> Root Extract

Product Code	Product Name	INCI Name
4574	PE SAGE	<i>Salvia officinalis</i> (Sage) Leaf Extract
4610	PE SLIPPERY ELM BARK	<i>Ulmus fulva</i> Bark Extract
4646SD	PE UVA URSI 3:1	<i>Arctostaphylos Uva-Ursi</i> Leaf Extract
4670-A	PE WHITE WILLOW BARK	<i>Salix alba</i> (Willow) Bark Extract
4688	PE WOOD BETONY	<i>Stachys Officinalis</i> Flower/Leaf/Stem Extract



# SOLID EXTRACTS

Our “holistically balanced “ extracts are prepared using a menstruum which contains alcohol. We evaporate the alcohol leaving a resinous mass, and prepare these extracts to be suitable for use with food products. They are typically delivered in a molasses consistency. These solid extracts meet the rigorous QC and GMP requirements set by the industries they are sold to.



2118A  
Rhubarb Root  
*Rheum palmatum*  
Root Extract

Custom Extract Blends Available Upon Request  
Contact an Associate for Details

Product Code	Product Name	INCI Name
2068C	SE GUARANA 10	<i>Guarana (Paullinia cupana) Seed Extract</i>
2089	SE MARIGOLD	<i>Calendula,officinalis Flower Extract</i>
2140B	SE WHITE PINE COMPOUND 1:4	<i>White Pine (Pinus strobus) Bark, Wild Cherry (Prunus seratina) Bark, Poplar (Populus sp.) Buds, Bloodroot (Sanguinaria canadensis) Root, Spikenard (Aralia racemosa) Root</i>
2027	SE ST JOHN'S BREAD ROASTED	<i>Ceratonia siliqua (Carob) Fruit Extract</i>
2027F	SE ST JOHN'S BREAD	<i>Ceratonia siliqua (Carob) Fruit Extract</i>
2053B	SE ELDERBERRY 3:1 IN GLYCERIN	<i>Black Elderberry (Sambucus nigra) Juice Concentrate</i>
2060E	SE FENUGREEK ROASTED	<i>Trigonella Foenum-Graecum Seed Extract</i>
2066	SE ELEUTHERO	<i>Acanthopanax senticosus (Eleuthero) Root Extract</i>
2071B	SE HOREHOUND	<i>Horehound (Marrubium vulgare) Aerial Parts Extract</i>
2097A	SE OAK	<i>Quercus alba Bark Extract</i>
2115C	SE QUASSIA	<i>Quassia amara Wood Extract</i>
2118A	SE RHUBARB ROOT	<i>Rheum palmatum Root Extract</i>
2134A	SE TAMARIND	<i>Tamarind (Tamarindus indica) Extract</i>
2048	SE DANDELION ROOT	<i>Taraxacum officinale (Dandelion) Rhizome/Root Extract</i>

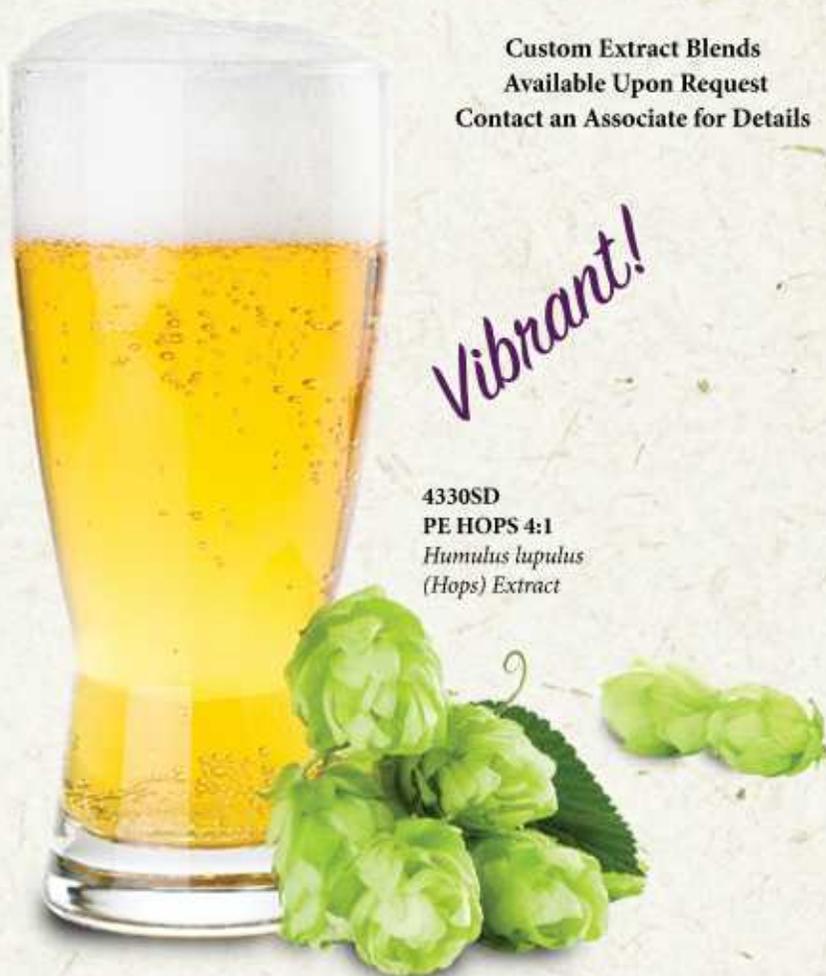
# FLUID EXTRACTS & TINCTURES

Our fluid extracts and tinctures are liquid preparation, that contain alcohol and/or glycerin. These are typically suitable for food and beverage products. These liquid extracts meet the rigorous QC and GMP requirements set by the industries they are sold to.

Custom Extract Blends  
Available Upon Request  
Contact an Associate for Details

Vibrant!

4330SD  
PE HOPS 4:1  
*Humulus lupulus*  
(Hops) Extract



Product Code	Product Name	INCI Name
5008	FE BLACK COHOSH	<i>Cimicifuga racemosa</i> Root Extract
5023-A	FE CASCARA SAGRADA	<i>Rhamnus Purshiana</i> Bark Extract, <i>Glycyrrhiza Glabra</i> (Licorice) Root Extract, <i>Illicium Verum</i> (Anise) Fruit/Seed Oil, <i>Coriandrum Sativum</i> (Coriander) Seed Oil
5029	FE CINNAMON	<i>Cinnamomum cassia</i> Bark Extract
5059	FE GOLDEN SEAL ROOT	<i>Hydrastis canadensis</i> Root Extract
5079	FE LAVENDER	<i>Lavandula angustifolia</i> (Lavender) Flower Extract
5088	FE MARIGOLD	<i>Calendula officinalis</i> Flower Extract
5089	FE MARSHMALLOW	<i>Althaea officinalis</i> Root Extract
5097	FE NETTLES LEAF	<i>Urtica dioica</i> (Nettle) Leaf Extract
5103	FE ORANGE PEEL (SWEET)	<i>Citrus aurantium dulcis</i> (Orange) Peel Extract
5132	FE SARSAPARILLA	<i>Sarsaparilla</i> Root Extract
5134A	FE SCHIZANDRA	<i>Schisandra chinensis</i> Fruit Extract
5154	FE WILD YAM	<i>Dioscorea villosa</i> (Wild Yam) Root Extract
5159-A	FE YERBA MATE	<i>Yerba Mate</i> ( <i>Ilex paraguariensis</i> ) Leaf Extract
5201	FE BIO-FLAVONOIDS	<i>Rosa canina</i> Fruit Extract, <i>Citrus aurantium dulcis</i> (Orange) Peel Extract, <i>Citrus Limon</i> (Lemon) Peel Extract
5009	FE BLACK WALNUT	<i>Juglans nigra</i> (Black Walnut) Shell Extract
5012	FE BLUEBERRY LEAF	<i>Vaccinium angustifolium</i> (Blueberry) Leaf Extract
5019	FE BUCKTHORN BARK	<i>Frangula alnus</i> Bark Extract
5020	FE BURDOCK	<i>Arctium lappa</i> Root Extract
5022A	FE CAPSICUM	<i>Capsicum annuum</i> Fruit Powder
5024	FE CAT-NIP	<i>Nepeta cataria</i> Extract
5026	FE CHAMOMILE	<i>Chamomilla recutita</i> (Matricaria) Flower Extract

Product Code	Product Name	INCI Name
5038	FE DAMIANA LEAF	<i>Turnera difusa</i> Leaf Extract
5039	FE DANDELION ROOT	<i>Taraxacum officinale</i> (Dandelion) Root
5040	FE DEVILS CLAW	<i>Harpagophytum procumbens</i> Root Extract
5043	FE ECHINACEA	<i>Echinacea angustifolia</i> Root Extract, <i>Echinacea purpurea</i> Flower/Leaf/Stem Extract, <i>Echinacea purpurea</i> Root Extract
5044	FE ELDER FLOWERS	<i>Sambucus nigra</i> Flower Extract
5051	FE FENUGREEK	<i>Trigonella foenum-Graecum</i> Seed Extract
5052	FE FO-TI	<i>Polygonum Multi/forum</i> Root Extract
5054	FE GENTIAN ROOT	<i>Gentiana lutea</i> Root Extract
5054A	FE GINKGO BILOBA	<i>Ginkgo biloba</i> Leaf Extract
5055B	FE GINGER ROOT	<i>Zingiber officinale</i> (Ginger) Root Extract
5057	FE GINSENG AMERICAN	<i>Panax quinquefolius</i> Root Extract
5058	FE ELEUTHERO	<i>Acanthopanax senticosus</i> (Eleuthero) Root Extract
5061	FE GOTU KOLA	<i>Centella asiatica</i> Extract
5066	FE HOPS	<i>Humulus lupulus</i> (Hops) Extract
5067	FE HOREHOUND	<i>Marrubium vulgare</i> Extract
5071	FE HYSSOP	<i>Hyssopus officinalis</i> Extract
5077	FE KOLA NUT	<i>Cola nitida</i> Seed Extract
5083	FE LICORICE ROOT	<i>Glycyrrhiza glabra</i> (Licorice) Root Extract
5090D	FE MILK THISTLE	<i>Silybum marianum</i> Seed Extract
5095	FE MUIRA PAUMA ROOT	<i>Ptychopetalum olacoides</i> Root Extract
5101	FE OATS	<i>Avena sativa</i> (Oat) Seed Extract
5006C	TINCTURE BENZOIN COMPOUND	<i>Styrax Benzoin</i> Resin Extract, <i>Myroxylon balsamum</i> (Balsam Tofu) Extract, <i>Aloe Ferrox</i> Leaf Extract
5062A	FE GUARANA	<i>Paullinia cupana</i> (guarana) seed extract
5063	FE HAWTHORNE BERRIES	<i>Crataegus monogyna</i> Fruit Extract

Product Code	Product Name	INCI Name
5110	FE PASSION FLOWER	<i>Passiflora incarnato</i> Flower Extract
5113	FE PEPPERMINT	<i>Mentha piperita</i> (Peppermint) Leaf Extract
5119	FE PRICKLY ASH BARK	Prickly ash ( <i>Zanthoxylum americanum</i> ) Bark Extract
5461T	ECHINACEA PURPUREA TOPS TINCTURE	<i>Echinacea purpurea</i> Flower/ Leaf/ Stem Extract
5126	FE RHUBARB ROOT	<i>Rheum palmatum</i> Root Extract
5135	FE SCULLCAP	Skullcap ( <i>Scutellaria lateriflora</i> ) Aerial Parts Extract
5149	FE VALERIAN	Valerian ( <i>Valeriana officinalis</i> ) Rhizome/ Root Extract
5150-A	FE WHITE PINE COMPOUND	<i>Pinus Strobus</i> Bark Extract, <i>Prunus Sero-tina</i> (Wild Cherry) Bark Extract, <i>Populus Nigra</i> Bud Extract, <i>Sanguinaria Canadensis</i> Root Extract, <i>Aralia Racemosa</i> Extract
5152	FE WILD CHERRY BARK	<i>Prunus Serotina</i> (Wild Cherry) Bark Extract
5159	FE YELLOW DOCK ROOT	<i>Rumex Crispus</i> Root Extract
5004	TINCTURE ARNICA (EXTERNAL USE ONLY)	<i>Heterotheca Inuloides</i> Flower Extract
5022	TINCTURE CAPSICUM	<i>Capsicum annuum</i> Fruit Powder
5096-T	TINCTURE MYRRH GUM	<i>Commiphora molmol</i>
5119-T	TINCTURE PROPOLIS	Propolis Resin Extract
5103-A	TINCTURE ORANGE PEEL SWTTN#3	<i>Citrus Aurantium Dulcis</i> (Orange) Peel Extract

5083  
FE Licorice Root  
*Glycyrrhiza glabra* (Licorice) Root Extract



# ALCOHOL FREE EXTRACTS



Bio-Botanica pioneered the alcohol free extract for the supplement and food industries and provides extracts in a suitable form without alcohol. These extracts are available in glycerin. They can also be prepared in Zemea® (propendiol) on request. These alcohol free extracts meet the rigorous QC and GMP requirements set by the industries they are sold to.



5447  
AF Cranberry  
*Vaccinium macrocarpon*  
(Cranberry) Fruit Extract

Sweet!

Custom Extract Blends Available Upon Request  
Contact an Associate for Details

Product Code	Product Name	INCI Name
5475	AF AMERICAN GINSENG	<i>American ginseng (Panax quinquefolium) Root Extract</i>
5404	AF ASHWAGANDA	<i>Withania somnifera Leaf Root Extract</i>
5406	AF ASTRAGALUS	<i>Astragalus membranaceus Root Extract</i>
5410	AF BLACK COHOSH	<i>Cimicifuga racemosa Root Extract</i>
5414	AF BLACK WALNUT HULLS	<i>Juglans nigra (Black Walnut) Shell Extract</i>
5426	AF BURDOCK ROOT	<i>Arctium lappa Root Extract</i>
5435	AF CHAMOMILE FLOWERS	<i>Chamomilla recutita (Matricaria) Flower Extract</i>
5440	AF CLEAVERS	<i>Galium aparine Extract (aerial parts)</i>
5446	AF CORNSILK	<i>Zea mays (Corn) Silk Extract</i>
5447	AF CRANBERRY	<i>Vaccinium macrocarpon (Cranberry) Fruit Extract</i>
5448	AF DAMIANA	<i>Turnera diffusa Leaf Extract</i>
5450	AF DANDELION ROOT	<i>Taraxacum officinale (Dandelion) Rhizome/Root Extract</i>
5453	AF DEVIL'S CLAW	<i>Harpagophytum procumbens Root</i>
5454	AF DONG QUAI	<i>Angelica polymorpha sinensis Root Extract</i>
5455	AF ECHINACEA	<i>Echinacea purpurea Flower/Leaf/Stem Extract, Echinacea angustifolia Root Extract, Echinacea purpurea Root Extract</i>
5458	AF ELDERBERRY	<i>Sambucus nigra Fruit Juice</i>
5476	AF ELEUTHERO	<i>Acanthopanax senticosus (Eleuthero) Root Extract</i>
5460	AF EYEBRIGHT	<i>Euphrasia officinalis Extract</i>
5463	AF FENUGREEK	<i>Trigonella foenum-graecum Seed Extract</i>

Product Code	Product Name	INCI Name
5466	AF FEVERFEW	<i>Tanacetum parthenium</i> Extract (Aerial Parts)
5482	AF GOTU KOLA HERB	<i>Centella asiatica</i> Extract
5483	AF GREEN TEA	<i>Camellia sinensis</i> Leaf Extract
5484	AF HAWTHORN BERRIES	<i>Crataegus monogyna</i> Fruit Extract
5489	AF HORSETAIL	<i>Horsetail (Equisetum arvense)</i> Extract
5207	AF LEMON BALM	<i>Melissa officinalis</i> Leaf Extract
5498	AF LICORICE ROOT	<i>Licorice (Glycyrrhiza glabra)</i> Root Extract
5504	AF MARSHMALLOW ROOT	<i>Althaea officinalis</i> Root Extract
5510	AF MILK THISTLE	<i>Silybum marianum</i> Seed Extract
5514	AF NETTLES	<i>Urtica dioica</i> (Nettle) Leaf Extract
5518	AF PASSION FLOWER	<i>Passiflora incarnata</i> Flower Extract
5530	AF RED CLOVER TOPS	<i>Trifolium pratense</i> (Clover) Flower Extract
5542	AF RHODIOLA ROOT	<i>Rhodiola (Rhodiola rosea)</i> Root Extract
5543	AF ROSEMARY	<i>Rosmarinus officinalis</i> (Rosemary) Leaf Extract
5545	AF SAGE	<i>Salvia officinalis</i> (Sage) Extract
5551	AF SCULLCAP HERB	<i>Skullcap (Scutellaria lateriflora)</i> Aerial Parts Extract
5560	AF VALERIAN ROOT	<i>Valeriana officinalis</i> Root Extract
5565	AF WHITE WILLOW BARK	<i>White Willow (Salix alba)</i> Bark Extract
5570	AF YUCCA	<i>Yucca schidigera</i> Leaf/Root/Stem Extract
5554	AF ST JOHN'S WORT	<i>Hypericum perforatum</i> Flower/Leaf/Stem Extract

## MOST COMMONLY USED BOTANICALS IN FOOD & BEVERAGES



### Alcoholic Beverages - Malt Beverages, Wines, Liquors

Elder, Ginseng, Juniper, Lemon Peel, Orange Peel, Quassia

### Non-Alcoholic Beverages - Fruit Based Beverages, Juices, Teas, Water

Astragalus, Bee Pollen, Capsicum, Celery, Chamomile, Cinnamon, Damiana, Dandelion, Echinacea, Elder, Fennel, Fenugreek, Gentian, Ginkgo, Ginseng, Gotu Kola, Green Tea, Guarana, Hops, Horehound, Juniper, Kola Nut, Lavender, Lemon Peel, Licorice, Linden, Oats, Orange Peel, Parsley, Pau d'arco, Periwinkle, Quassia, Rosemary, Sage, Sarsaparilla, Schizandra, Scullcap, St. John's Wort, Valerian, Wild Cherry Bark, Yohimbe

### Bittering Agent Quassia Bitters Boldo, Dandelion, Gentian

### Baked Goods - Breads, Cakes & Muffins

Capsicum, Celery, Chamomile, Cinnamon, Dandelion, Elder, Fennel, Fenugreek, Garlic, Gentian, Hops, Horehound, Juniper, Kola Nut, Lemon Peel, Licorice, Orange Peel, Parsley, Rosemary, Sage, St. John's Wort, Thyme, Wild Cherry Bark

### Breath Sweeteners Angelica, Parsley, Peppermint, Rosemary, Thyme

**Confections & Healthy Snacks Throat Drops, Nutritional Bars, Healthy Chips** Chamomile, Dandelion, Echinacea, Elder, Fenugreek, Gentian, Ginkgo, Guarana, Hops, Horehound, Juniper, Kola Nut, Lemon Peel, Licorice, Orange Peel, Rosemary, St. John's Bread, Thyme, Wild Cherry Bark

### Chewing Gum Angelica, Chamomile, Cinnamon, Fenugreek

**Condiments & Sauces - Salsas, Marinades, & Salad Dressings** Capsicum, Celery, Cinnamon, Fennel, Fenugreek, Garlic, Juniper, Parsley, Rosemary, Sage, Thyme, Tamarind

### Energy Bee Pollen, Gotu Kola, Guarana, Kola Nut, Panax Ginseng, Schizandra, Eleuthero

**Ice Cream, Sorbets, & Frozen Desserts** Celery, Chamomile, Cinnamon, Dandelion, Echinacea, Elder, Fenugreek, Gentian, Ginseng, Green Tea, Hops, Horehound, Juniper, Kola Nut, Lemon Peel, Licorice, Orange Peel, Rosemary, Sarsaparilla, St. John's Wort, Wild Cherry Bark

### Immune Support Astragalus, Bee Pollen, Echinacea, Garlic, Pau d'arco, Schizandra

### Mental Alertness Bee Pollen, Ginkgo, Gotu Kola, Periwinkle, Rosemary

### Mood Support Damiana, Licorice, Oats, Rosemary, Schizandra, St. John's Wort

**Poultry, Fish, and Meats** Capsicum, Celery, Cinnamon, Fennel, Fenugreek, Garlic, Parsley, Rosemary, Sage, Thyme

### Soups and Stews Celery, Fennel, Parsley, Rosemary, Sage, Thyme

### Syrups Fenugreek, Lemon Peel, Licorice, Orange Peel, Wild Cherry Bark

### Tension or Stress Chamomile, Lavender, Linden, Rosemary, Scullcap, St. John's Wort, Valerian

# PURESTEROL®

“THE MIRACLE ROOT” U.S. PATENT # 7,658,955  
PUERARIA MIRIFICA  
THE NAME MIRIFICA IN LATIN MEANS MIRACLE.

For more than 500 years people in Southeast Asia have been using the root of the “White Kwao Krua” for its anti-aging properties. Folklore goes on to say that the root is a “fountain of youth” for aged men and women. It serves as an anti-wrinkle agent for aged and wrinkled skin, darkens white hair and increases hair growth, alleviates cataract problems, helps with memory loss, appetite and sleep disorders, increases energy, vigor and blood circulation.

PUERARIA MIRIFICA CONTAINS THREE DIFFERENT TYPES OF PHYTOESTROGENS:

Pueraria mirifica contains:

1. **Miroestrol** and **Deoxymiroestrol** group
2. **Isoflavonoid** group
3. **Coumestan** group

PUERARIA MIRIFICA (PURESTEROL®) HAS BEEN FULL TESTED FOR SAFETY AND EFFICACY.

visit: [www.PuresterolPM.com](http://www.PuresterolPM.com)

## USES:

- (1) Pueraria Mirifica has been shown to be a promising support herb for menopausal women.
- (2) Broad-range cosmetic and personal care applications include anti-aging creams, breast creams, eye gels, night creams, day creams and body gels, etc.

Available as a powder #4523 or as a liquid #5529 Standardized extract containing >20mg Microestrol/100g.

**ADDITIONAL LITERATURE AND TECHNICAL DATA SHEET AVAILABLE ON REQUEST.**

ASK US ABOUT OUR CUSTOM AND CONTRACT SPRAY DRYING SOLUTIONS!



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