



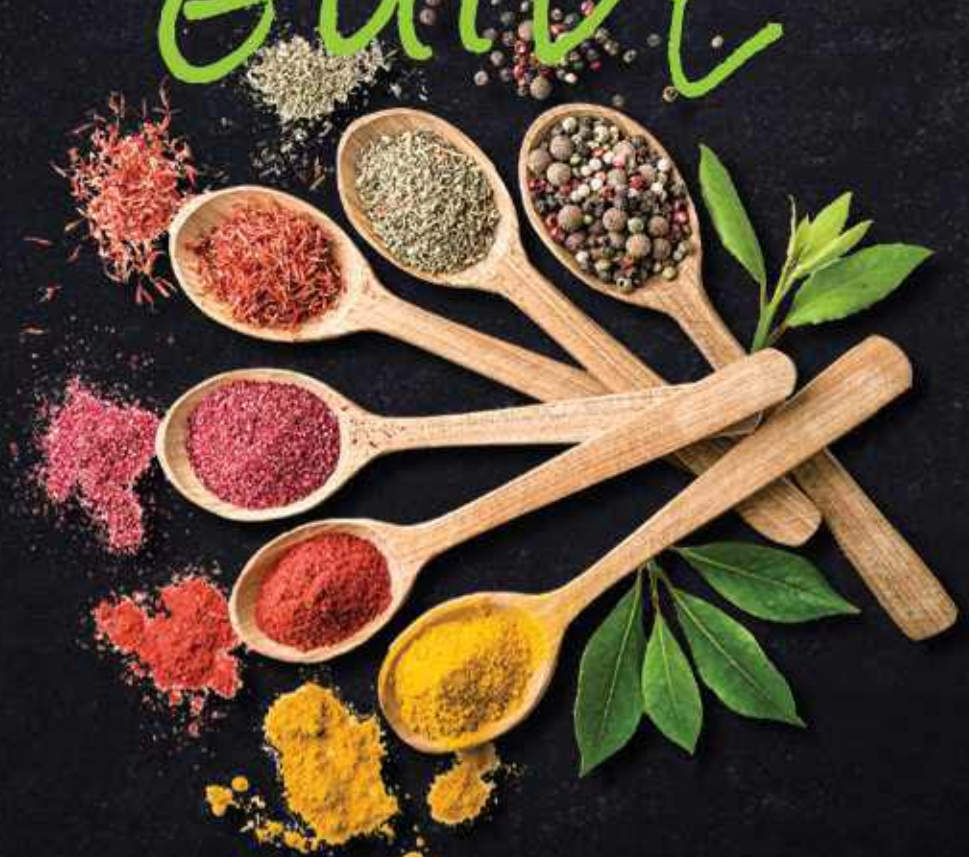
BIO-BOTANICA® INC.

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



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

Food, Beverage & Supplement GUIDE



Bio-Botanica® , Inc.

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Worldwide distribution, Made in the U.S.A

*NOTE: The following suggested uses of botanicals are presented solely for educational purposes. We accept no liability for the results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to run their own tests to determine safety and suitability of each such product or product combination of their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and buyer and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.

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WELCOME TO BIO-BOTANICA®

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

Bio-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

Bio-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



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

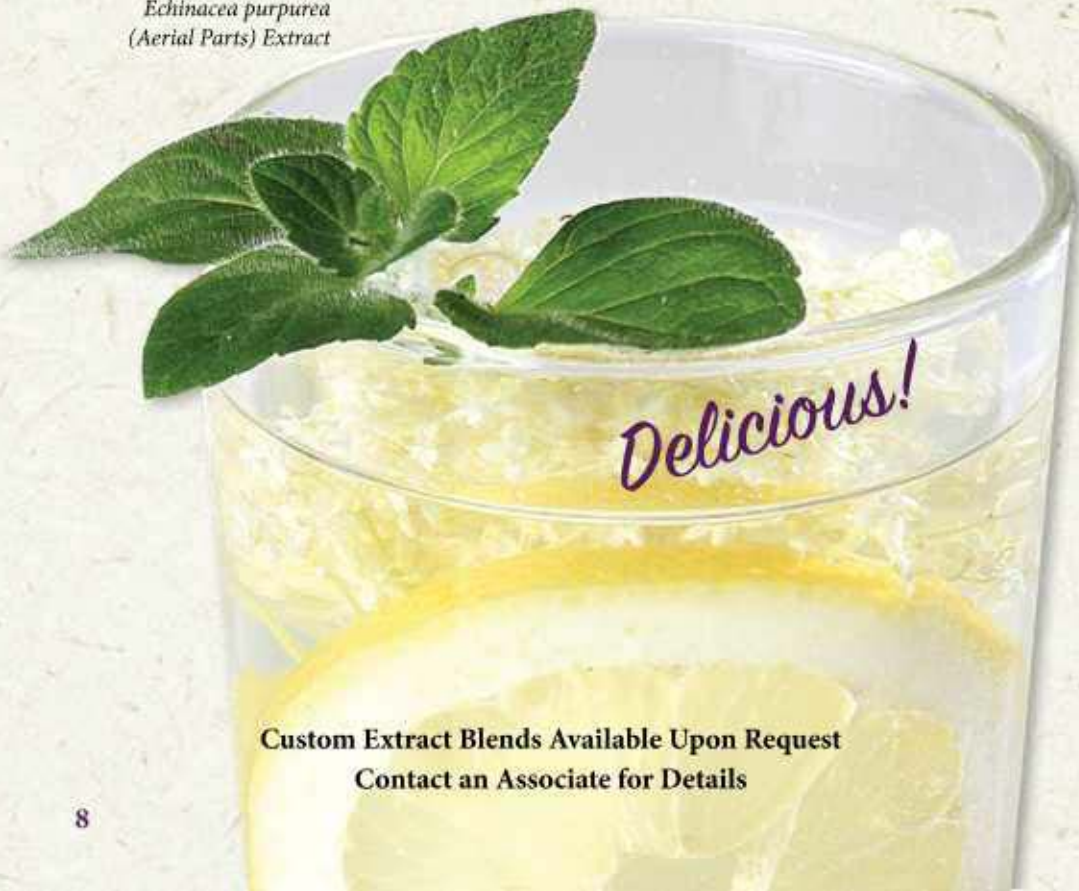
Citrus aurantium dulcis
(Orange) Peel



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 CAMEL | <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, Spike-nard (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> |

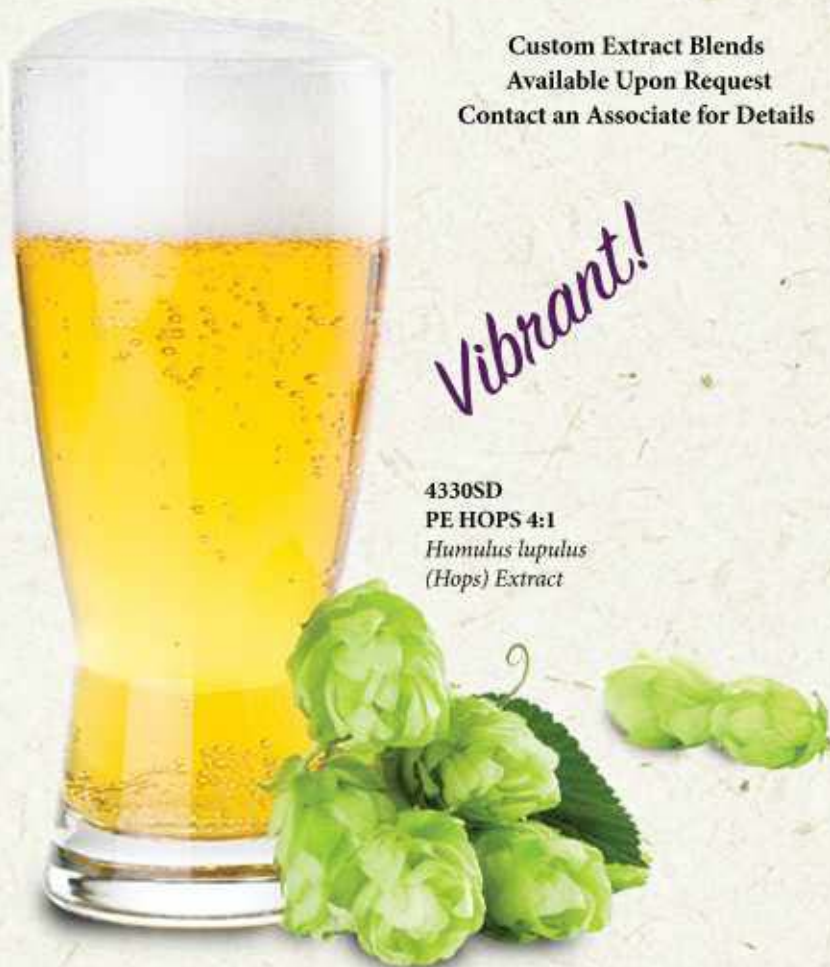
FLUID EXTRACTS & TINCTURES

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, Aloe Ferrox 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 SWT#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

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.



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