

BIO-BOTANICA®

BOTANICAL EXTRACTS ARE WHAT WE DO

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

98262 Ver 10. 0721

Personal Care
Guide





BIO-BOTANICA® INC.
SINCE 1972

MISSION

To inspire healthy living by offering products that empower each and every one of us to take charge of our health

VISION

To inspire, empower and enhance the quality of life for all

VALUES

CUSTOMER FIRST - We strive to do our best for our customers at all times

QUALITY - We take pride in what we do

INTEGRITY - We do what is right

TEAMWORK - We are stronger together

SAFETY - Always first in everything we do

EMBRACE CHANGE - Opportunities are a result of change

WHERE SCIENCE BRINGS OUT THE BEST OF NATURE™



Bio-Botanica® is a leading manufacturer and supplier of high-quality botanical extracts for the Supplement, Food/Beverage, Cosmetic and Personal Care industries. With over 50 years of experience working with botanical extracts, we can help you develop new, innovative and functional products for today's competitive marketplace.

Bio-Botanica® employs a professional staff of **BIO-BOTANICA® INC.** natural product chemists, pharmacognosists, microbiologists, formulation chemists and herbalists. Our Analytical Chemists utilize state-of-the-art equipment such as HPLC, FTIR, GC/MS, LC/MS-MS, TLC, ICP/MS and 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's 160,000 square foot kosher-inspected, GMP Certified and organic certified manufacturing facility follows strict cGMP, SOP and GLP procedures. Our broad-range manufacturing services include custom extracting, blending, spray-drying, vacuum drying and milling, enabling us to deliver high-quality products to meet your needs.



At Bio-Botanica®, we are committed to the good earth and all its fruitful gifts as a natural products extraction company. Family owned and founded in 1972 and located in the United States, over the past fifty years we have kept the same standards of unexcelled quality and customer satisfaction with a proven track record of on-time delivery of technologically advanced botanical extracts. We pride ourselves in having long term relationships, call us to find out how we can partner up.



GMP CERTIFIED
NSF/ANSI 455-2
Dietary Supplements



For additional information and samples please contact:

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BOTANICAL AUTHENTICATION HOLISTICALLY BALANCED®



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.



ADVANTAGES OF THE BOTANICAL FINGERPRINT

The advantages of the 'botanical fingerprint' approach to botanical authentication are numerous and include:

- Detection of botanical adulterants (purposeful or accidental).
- Analysis of marker compound(s), both inqualitative and quantitative.
- Pesticide monitoring.
- Detection of contaminants from agriculture, harvesting, shipping, and processing.
- Identification of microbial contamination.
- Detection of degradation.
- Heavy metal analysis.

Our process is so sensitive we can even detect differences amongst:

- Harvest season • Geographic location
- Environmental conditions • Post harvest handling

BIO-CHELATION®

Bio-Chelation® simulates the plant cell in its ability to keep all the minerals and inclusions (reserve food material and active constituents) in a colloidal aqueous medium. The process stays away from the high alcoholic, heavy toxic solvents or heat applications and instead uses cold low alcoholic menstruums carefully adapted to each individual plant and its constituents. It is then concentrated under high vacuum in either glass lined or stainless steel vessels.

Our extracts are unique with maximum potency without any undesirable excipient and easily solubilized giving a clean non-turbid very effective product with excellent physical and chemical characteristics unavailable from any other competitor.

Our extracts are holistically balanced® possessing the full spectrum of constituents matching as close as possible the way they exist in the natural plant.

THE BIO-BOTANICA® HERBARIUM

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.'



"WE HARVEST
EARTH'S RICHEST BOTANICALS,
SO THAT WE CAN PREPARE FOR YOU THE FINEST,
MOST EFFICACIOUS, INGREDIENTS AVAILABLE."

GLYCERIN

Glycerin, present in all natural lipids, is derived from natural substances by hydrolysis of fats and by fermentation of sugars. As a skin friendly humectant, one of glycerin's benefits is that it is a skin-identical ingredient, meaning it is a substance found naturally in skin.

In that respect it is one of the many substances in skin that help maintain the outer barrier and prevent dryness or scaling.

This clear, viscous liquid is valued for its humectant and solvent characteristics. As a solvent, Glycerin can help deliver an extract or active ingredient. As a humectant it can increase the solubility of the active ingredient, making it more easily absorbed by the skin. Our Glycerin is vegetable derived.



CODE	PRODUCT NAME	INCI NAME (GLYCERIN AND WATER)
3437GL	ACAI IN GLYCERIN	<i>Euterpe Oleracea</i> Fruit Extract
3203GL	ALFALFA LEAF IN GLYCERIN	<i>Medicago Sativa</i> (Alfalfa) Leaf Extract
3160GL	ALOE VERA GEL IN GLYCERIN	<i>Aloe Barbadensis</i> Leaf Extract
3204AGL	ANGELICA ROOT IN GLYCERIN	<i>Angelica Archangelica</i> Root Extract
3512GL	APRICOT IN GLYCERIN	<i>Prunus Armeniaca</i> (Apricot) Fruit Extract
3201MGL	ARNICA MONTANA IN GLYCERIN	<i>Arnica Montana</i> Flower Extract
3347GL	ARTICHOKE LEAF IN GLYCERIN	<i>Cynara Scolymus</i> (Artichoke) Leaf Extract
3168GL	ASHWAGANHA IN GLYCERIN	<i>Withania Somnifera</i> Whole Plant
3310GL	ASTRAGALUS ROOT IN GLYCERIN	<i>Astragalus Membranaceus</i> Root Extract
3995GL	AVOCADO IN GLYCERIN*	<i>Persea Gratissima</i> (Avocado) Fruit Extract
3208GL	BARBERRY ROOT IN GLYCERIN	<i>Berberis Vulgaris</i> Root Extract
3209GL	BAYBERRY BARK IN GLYCERIN	<i>Myrica Cerifera</i> (Bayberry) Bark Extract
3210CGL	BILBERRY IN GLYCERIN	<i>Vaccinium Myrtillus</i> Fruit Extract
3211GL	BLACK COHOSH ROOT IN GLYCERIN	<i>Cimicifuga Racemosa</i> Root Extract
3212GL	BLACK WALNUT HULLS IN GLYCERIN	<i>Juglans Nigra</i> (Black Walnut) Shell Extract
3213GL	BLADDERWRACK FROND IN GLYCERIN	<i>Fucus Vesiculosus</i> Extract
3214GL	BLESSED THISTLE HERB IN GLYCERIN	<i>Carbenia Benedicta</i> Extract
3447GL	BLUEBERRY EXTRACT IN GLYCERIN*	<i>Vaccinium Corymbosum</i> (Blueberry) Fruit Extract
3215GL	BLUEBERRY LEAF IN GLYCERIN	<i>Vaccinium Myrtillus</i> Leaf Extract
3220GL	BONESET HERB IN GLYCERIN	<i>Eupatorium Purpureum</i> Flower/Leaf/Stem Extract
3417GL	BOSWELLIA IN GLYCERIN	<i>Boswellia Serrata</i> Extract
3312GL	BUPLEURUM ROOT IN GLYCERIN	<i>Bupleurum Chinese</i> Root Extract
3222GL	BURDOCK ROOT IN GLYCERIN	<i>Arctium Lappa</i> Root Extract
3223GL	CACTUS GRANDIFLORUS FLOWER IN GLYCERIN	<i>Cereus Grandiflorus</i> (Cactus) Flower Extract
3224GL	CALENDULA FLOWER IN GLYCERIN	<i>Calendula Officinalis</i> Flower Extract
3225GL	CAPSICUM IN GLYCERIN	<i>Capsicum Annuum</i> Fruit Extract
3452GL	CARROT EXTRACT IN GLYCERIN	<i>Daucus Carota Sativa</i> (Carrot) Root Extract
3596GL	CASCARA SAGRADA BARK IN GLYCERIN	<i>Rhamnus Purshiana</i> Bark Extract
9945AGL	CAT'S CLAW BARK IN GLYCERIN	<i>Uncaria Tomentosa</i> Bark Extract
3227BGL	CATNIP HERB IN GLYCERIN	<i>Nepeta Cataria</i> Extract
3228GL	CELERY SEED IN GLYCERIN	<i>Apium Graveolens</i> (Celery) Seed Extract
3230GL	CHAMOMILE FLOWER IN GLYCERIN	<i>Chamomilla Recutita</i> (Matricaria) Flower Extract
3234GL	CHICKWEED HERB IN GLYCERIN	<i>Stellaria Media</i> (Chickweed) Extract
3235GL	CINNAMON BARK IN GLYCERIN	<i>Cinnamomum Cassia</i> Bark Extract
3236AGL	CLEAVERS HERB IN GLYCERIN	<i>Galium Aparine</i> Extract
3314GL	CODONOPSIS ROOT IN GLYCERIN	<i>Codonopsis Lanceolata</i> Root Extract
3172GL	COFFEE SEED IN GLYCERIN*	<i>Coffea Arabica</i> (Coffee) Seed Extract

*Indicates Fruitanical Extract

3237GL	COMFREY LEAF IN GLYCERIN	<i>Symphytum Officinale</i> Leaf Extract
3238GL	COMFREY ROOT IN GLYCERIN	<i>Symphytum Officinale</i> Root Extract
3440GL	CORDYCEPS IN GLYCERIN	<i>Cordyceps Sinensis</i> Extract
3241GL	CORN FLOWER IN GLYCERIN	<i>Centaurea Cyanus</i> Flower Extract
3242GL	CORNSILK IN GLYCERIN	<i>Zea Mays</i> (Corn) Silk Extract
3244CGL	CRANBERRY IN GLYCERIN	<i>Vaccinium Macrocarpon</i> (Cranberry) Fruit Extract
3245GL	CUCUMBER IN GLYCERIN*	<i>Cucumis Sativus</i> (Cucumber) Fruit Extract
3246GL	DAMIANA LEAF IN GLYCERIN	<i>Turnera Diffusa</i> Leaf Extract
3248GL	DANDELION ROOT IN GLYCERIN	<i>Taraxacum Officinale</i> (Dandelion) Root Extract
3249GL	DEVIL'S CLAW ROOT IN GLYCERIN	<i>Harpagophytum Procumbens</i> Root Extract
3251GL	DONG QUAI ROOT IN GLYCERIN	<i>Angelica Polymorpha Sinensis</i> Root Extract
3252GL	ECHINACEA IN GLYCERIN	<i>Echinacea Angustifolia</i> Root / <i>Echinacea Purpurea</i> Extract Root Extract / <i>Echinacea Purpurea</i> Flower/Leaf/Stem Extract
3253GL	ELDER FLOWER IN GLYCERIN	<i>Sambucus Nigra</i> Flower Extract
3254GL	ELDERBERRY IN GLYCERIN*	<i>Sambucus Nigra</i> Fruit Extract
3255GL	ELECAMPANE ROOT IN GLYCERIN	<i>Inula Helenium</i> Extract
3266GL	ELEUTHERO ROOT IN GLYCERIN	<i>Acanthopanax Senticosus</i> (Eleuthero) Root Extract
3256GL	EVENING PRIMROSE FLOWER IN GLYCERIN	<i>Oenothera Biennis</i> (Evening Primrose) Flower Extract
3257GL	EYEBRIGHT HERB IN GLYCERIN	<i>Euphrasia spp.</i> Extract
3259GL	FENNEL SEED IN GLYCERIN	<i>Foeniculum Vulgare</i> (Fennel) Seed Extract
3260GL	FENUGREEK SEED IN GLYCERIN	<i>Trigonella Foenum-Graecum</i> Seed Extract
3260AGL	FEVERFEW HERB IN GLYCERIN	<i>Chrysanthemum Parthenium</i> (Feverfew) Extract
3261GL	FO TI ROOT IN GLYCERIN	<i>Polygonum Multiflorum</i> Cured Root Extract
3269GL	GARCINIA FRUIT IN GLYCERIN*	<i>Garcinia Cambogia</i> Fruit Extract
3262GL	GARLIC BULB IN GLYCERIN	<i>Allium Sativum</i> (Garlic) Bulb Extract
3263GL	GENTIAN ROOT IN GLYCERIN	<i>Gentiana Lutea</i> Root Extract
3264GL	GINGER ROOT IN GLYCERIN	<i>Zingiber Officinale</i> (Ginger) Root Extract
3059GL	GINKGO LEAF IN GLYCERIN	<i>Ginkgo Biloba</i> Leaf Extract
3265CGL	GINSENG, AMERICAN ROOT IN GLYCERIN	<i>Panax Quinquefolium</i> Root Extract
3350GL	GOJI IN GLYCERIN	<i>Lycium Barbarum</i> Fruit Extract
3268GL	GOLDENSEAL ROOT IN GLYCERIN	<i>Hydrastis Canadensis</i> (Goldenseal) Root Extract
3424GL	GOTU KOLA IN GLYCERIN	<i>Centella Asiatica</i> Extract
3413GL	GRAPE SEED IN GLYCERIN*	<i>Vitis Vinifera</i> (Grape) Seed Extract
3199GL	GRAPEFRUIT SEED IN GLYCERIN*	<i>Citrus Paradisi</i> (Grapefruit) Seed Extract
3345GL	GREEN TEA LEAF IN GLYCERIN	<i>Camellia Sinensis</i> Leaf Extract
3346GL	GUARANA SEED IN GLYCERIN*	<i>Paullinia Cupana</i> Seed Extract
3320GL	GYMNEMA LEAF IN GLYCERIN	<i>Gymnema Sylvestre</i> Leaf Extract

3270GL	HAWTHORN BERRY IN GLYCERIN	<i>Crataegus Monogyna</i> Fruit Extract
3629GL	HIBISCUS FLOWER IN GLYCERIN	<i>Hibiscus Sabdariffa</i> Flower Extract
3362GL	HOLY BASIL LEAF IN GLYCERIN	<i>Ocimum Sanctum</i> Leaf Extract
3482GL	HONEY IN GLYCERIN	Honey
3271GL	HOPS STROBILE IN GLYCERIN	<i>Humulus Lupulus</i> (Hops) Cone Extract
3272GL	HOREHOUND HERB IN GLYCERIN	<i>Marrubium Vulgare</i> Extract
3274GL	HORSE CHESTNUT SEED IN GLYCERIN	<i>Aesculus Hippocastanum</i> (Horse Chestnut) Seed Extract
3273GL	HORSETAIL HERB IN GLYCERIN	<i>Equisetum Arvense</i> Extract
3275GL	HYDRANGAEA ROOT IN GLYCERIN	<i>Hydrangea Arborescens</i> Root Extract
3276GL	HYSSOP HERB IN GLYCERIN	<i>Hyssopus Officinalis</i> Flower Extract
3277GL	IRISH MOSS IN GLYCERIN	<i>Chondrus Crispus</i> Extract
3281GL	JUNIPER BERRY IN GLYCERIN	<i>Juniperus Communis</i> Fruit Extract
3281AGL	KAVA KAVA ROOT IN GLYCERIN	<i>Piper Methysticum</i> Root Extract
3282GL	KELP IN GLYCERIN	<i>Ascophyllum Nodosum</i> Extract
3283GL	KOLA NUT IN GLYCERIN	<i>Cola Nitida</i> Seed Extract
3285GL	LAVENDER FLOWER IN GLYCERIN	<i>Lavandula Angustifolia</i> (Lavender) Flower Extract
3288GL	LEMON BALM HERB IN GLYCERIN	<i>Melissa Officinalis</i> Extract
3289GL	LEMON PEEL IN GLYCERIN*	<i>Citrus Limon</i> (Lemon) Peel Extract
3291GL	LICORICE ROOT IN GLYCERIN	<i>Glycyrrhiza Glabra</i> (Licorice) Root Extract
3293GL	LINDEN FLOWER IN GLYCERIN	<i>Tilia Europaea</i> Flower Extract
3321GL	LOMATIUM ROOT IN GLYCERIN	<i>Lomatium Dissectum</i> Root Extract
3408GL	MANGO IN GLYCERIN*	<i>Mangifera Indica</i> Fruit (Mango) Extract
3445GL	MANGOSTEEN IN GLYCERIN*	<i>Garcinia Mangostana</i> Fruit Extract
3265GL	MARSHMALLOW ROOT IN GLYCERIN	<i>Althaea Officinalis</i> Root Extract
3299GL	MEADOWSWEET IN GLYCERIN	<i>Spiraea Ulmaria</i> Flower Extract
3201GL	MEXICAN ARNICA FLOWER IN GLYCERIN	<i>Heterotheca Inuloides</i> Flower Extract
3338DGL	MILK THISTLE SEED IN GLYCERIN	<i>Silybum Marianum</i> Seed Extract
3953GL	MORINGA IN GLYCERIN	<i>Moringa oleifera</i>
3301GL	MOTHERWORT HERB IN GLYCERIN	<i>Leonurus Cardiaca</i> Extract
3302GL	MUIRA PUAMA ROOT IN GLYCERIN	<i>Ptychopetalum Olacoides</i> Root Extract
3303GL	MULLEIN LEAF IN GLYCERIN	<i>Verbascum Thapsus</i> Leaf Extract
3982GL	MUSHROOM COMPLEX	<i>Tremella Fuciformis</i> (Mushroom) Extract, <i>Auricularia Auricula-Judae</i> (Mushroom) Extract, <i>Grifola Frondosa</i> (Mushroom) Extract, <i>Inonotus Obliquus</i> (Mushroom) Extract, <i>Ganoderma Lucidum</i> (Mushroom) Extract
3304GL	MYRRH GUM RESIN IN GLYCERIN	<i>Commiphora Myrrha</i> Resin
3367GL	NETTLE LEAF IN GLYCERIN	<i>Urtica Dioica</i> (Nettle) Leaf Extract
3305GL	NETTLE ROOT IN GLYCERIN	<i>Urtica Dioica</i> (Nettle) Root Extract

*Indicates Fruitanical Extract

3270HGL	NEUTRAL HENNA IN GLYCERIN	<i>Cassia auriculata (Henna) Powder</i>
3504GL	NONI IN GLYCERIN*	<i>Morinda Citrifolia Fruit Extract</i>
98501GL	NOPAL CACTUS IN GLYCERIN	<i>Opuntia Ficus-Indica Extract</i>
3307GL	OAT SEED IN GLYCERIN	<i>Avena Sativa (Oat) Seed Extract</i>
3403GL	OLIVE LEAF IN GLYCERIN	<i>Olea Europaea (Olive) Leaf Extract</i>
3309GL	ORANGE PEEL IN GLYCERIN*	<i>Citrus sinensis (Orange) Peel Extract</i>
3308AGL	OREGON GRAPE ROOT IN GLYCERIN	<i>Mahonia Aquifolium Root Extract</i>
3332GL	OSHA ROOT IN GLYCERIN	<i>Ligusticum Porteri Root Extract</i>
3832GL	PAPAYA LEAF IN GLYCERIN	<i>Carica Papaya (Papaya) Leaf Extract</i>
3311GL	PARSLEY LEAF IN GLYCERIN	<i>Petroselinum Crispum (Parsley) Leaf Extract</i>
3470GL	PASSION FRUIT IN GLYCERIN*	<i>Passiflora Edulis Fruit Extract</i>
3313GL	PASSIONFLOWER HERB IN GLYCERIN	<i>Passiflora Incarnata Flower Extract</i>
3314AGL	PAU D'ARCO INNER BARK IN GLYCERIN	<i>Tabebuia Impetiginosa Bark Extract</i>
3843GL	PEACH FRUIT IN GLYCERIN*	<i>Prunus Persica (Peach) Fruit Extract</i>
3363GL	PEACH LEAF IN GLYCERIN*	<i>Prunus Persica (Peach) Leaf Extract</i>
3314GL	PENNYROYAL HERB IN GLYCERIN	<i>Mentha Pulegium Extract</i>
3315GL	PEPPERMINT LEAF IN GLYCERIN	<i>Mentha Piperita (Peppermint) Leaf Extract</i>
3316GL	PERIWINKLE HERB IN GLYCERIN	<i>Vinca Minor Extract</i>
3432GL	PINEAPPLE FRUIT IN GLYCERIN*	<i>Ananas Sativus (Pineapple) Fruit Extract</i>
3319GL	PLANTAIN LEAF IN GLYCERIN	<i>Plantago Major Leaf Extract</i>
3421GL	POMEGRANATE IN GLYCERIN*	<i>Punica Granatum Fruit Extract</i>
3322GL	PRICKLY ASH BARK IN GLYCERIN	<i>Zanthoxylum Americanum Extract</i>
3341GL	PROPOLIS IN GLYCERIN	<i>Propolis Extract</i>
3324GL	PUMPKIN SEED IN GLYCERIN	<i>Cucurbita Pepo (Pumpkin) Seed Extract</i>
3365GL	QUILLAJA BARK IN GLYCERIN	<i>Quillaja Saponaria Bark Extract</i>
3326GL	RED CLOVER TOPS IN GLYCERIN	<i>Trifolium Pratense (Clover) Flower Extract</i>
3327GL	RED RASPBERRY LEAF IN GLYCERIN*	<i>Rubus Idaeus (Raspberry) Leaf Extract</i>
3336GL	REISHI IN GLYCERIN	<i>Ganoderma Lucidum (Mushroom) Extract</i>
3453GL	RHODIOLA IN GLYCERIN	<i>Rhodiola Rosea Root Extract</i>
3328GL	RHUBARB ROOT IN GLYCERIN	<i>Rheum Palmatum Root Extract</i>
3329GL	ROSE HIPS IN GLYCERIN	<i>Rosa Canina Fruit Extract</i>
3330GL	ROSEMARY LEAF IN GLYCERIN	<i>Rosmarinus Officinalis (Rosemary) Leaf Extract</i>
3331GL	SAGE LEAF IN GLYCERIN	<i>Salvia Officinalis (Sage) Leaf Extract</i>
3333GL	SARSAPARILLA ROOT IN GLYCERIN	<i>Smilax Aristolochiaefolia Root Extract</i>
3334GL	SAW PALMETTO BERRY IN GLYCERIN	<i>Serenoa Serrulata Fruit Extract</i>
3336AGL	SCHIZANDRA BERRY IN GLYCERIN	<i>Schizandra Chinensis Berry Extract</i>
3338AGL	SENNA LEAF IN GLYCERIN	<i>Cassia Senna Leaf Extract</i>
3338GL	SHIITAKE IN GLYCERIN	<i>Lentinus Edodes Extract</i>
3335GL	SKULLCAP HERB IN GLYCERIN	<i>Scutellaria Lateriflora Extract</i>

3337GL	SLIPPERY ELM BARK IN GLYCERIN	<i>Ulmus Fulva Bark Extract</i>
3342GL	SPINACH LEAF IN GLYCERIN	<i>Spinacia Oleracea (Spinach) Leaf Extract</i>
3837GL	SPIRULINA IN GLYCERIN	<i>Arthrospira Platensis Extract</i>
3909GL	ST. JOHN'S WORT HERB IN GLYCERIN	<i>Hypericum Perforatum Flower/Leaf/Stem Extract</i>
3495GL	STEVIA IN GLYCERIN	<i>Stevia Rebaudiana Extract</i>
3407GL	STRAWBERRY IN GLYCERIN*	<i>Fragaria Ananassa (Strawberry) Fruit Extract</i>
3339GL	SUMA ROOT IN GLYCERIN	<i>Pfaffia Paniculata Root Extract</i>
3423GL	TAMARIND IN GLYCERIN	<i>Tamarindus Indica Fruit Extract</i>
3344GL	THYME HERB IN GLYCERIN	<i>Thymus Vulgaris (Thyme) Extract</i>
3418GL	UVA URSI LEAF IN GLYCERIN	<i>Arctostaphylos Uva Ursi Leaf Extract</i>
3348GL	VALERIAN ROOT IN GLYCERIN	<i>Valeriana Officinalis Root Extract</i>
3340GL	VITEX BERRY IN GLYCERIN	<i>Vitex Agnus Castus Extract</i>
3941GL	WATERMELON IN GLYCERIN	<i>Citrullus Lanatus (Watermelon) Fruit Extract</i>
3306GL	WHITE OAK BARK IN GLYCERIN	<i>Quercus Alba Bark Extract</i>
3422GL	WHITE TEA LEAF IN GLYCERIN	<i>Camellia Sinensis Leaf Extract</i>
3325GL	WHITE WILLOW BARK IN GLYCERIN	<i>Salix Alba (Willow) Bark Extract</i>
3351GL	WILD CHERRY BARK IN GLYCERIN	<i>Prunus Serotina (Wild Cherry) Bark Extract</i>
3355GL	WILD YAM ROOT IN GLYCERIN	<i>Dioscorea Villosa (Wild Yam) Root Extract</i>
3356GL	WITCH HAZEL LEAF IN GLYCERIN	<i>Hamamelis Virginiana (Witch Hazel) Leaf Extract</i>
3358GL	YARROW FLOWERS IN GLYCERIN	<i>Achillea Millefolium Flower Extract</i>
3359GL	YELLOWDOCK ROOT IN GLYCERIN	<i>Rumex Crispus Root Extract</i>
3956GL	YERBA MATE LEAF IN GLYCERIN	<i>Ilex Paraguariensis Leaf Extract</i>
3359AGL	YOHIMBE IN GLYCERIN	<i>Corynanthe Yohimbe Bark Extract</i>
3360GL	YUCCA IN GLYCERIN	<i>Yucca Schidigera Stem Extract</i>

Custom Extract Blends Available Upon Request
Contact an Associate for Details

PACKAGE SIZES:

We understand that you may only need a small pail or you may need 200 kilograms.
That is what we offer:

4 kilogram pail , 10 kilogram pail, 19 kilogram pail, 200 kilogram drums
Custom Orders

*Indicates Fruitanical Extract

ZEA-BOTANICALS®

NATURALLY DERIVED PLANT EXTRACTS WITH ZEMEA®



Bio-Botanica® & DuPont Tate & Lyle Bio Products Company LLC partner in creating a new line of botanical extracts called Zea Botanicals™ Bio-Botanica® Inc. utilizes its proprietary Bio-Chelation® process to manufacture botanical extracts in combination with Zemea® for natural personal care and cosmetic applications. You will have the benefits of Bio-Botanica's 46 years of botanical

extract manufacturing experience with the new technology of Zemea®.

Zemea® is a natural and highly pure colorless glycol, derived from a sustainable and renewable corn sugar fermentation process. Zemea® propanediol is the perfect glycol solution for formulations where non-petroleum based ingredients are desired.

With its skin-friendly performance, including no irritation, enhanced moisturization and excellent aesthetics, Zemea® is seeing rapid popularity. Derived from corn sugar fermentation, Zemea® replaces petroleum-based glycols or glycerin in many personal care formulations. Environmental sustainability benefits include significantly lower greenhouse gas emissions and lower energy consumption in its production (based on LCA data).



CODE	ZEA-BOTANICALS®	INCI NAME (PROPANEDIOL AND WATER)
3437ZB	ACAI ZEA-BOTANICALS®	<i>Euterpe Oleracea</i> Fruit Extract
3203ZB	ALFALFA LEAF ZEA-BOTANICALS®	<i>Medicago Sativa</i> (Alfalfa) Leaf Extract
3160ZB	ALOE VERA GEL ZEA-BOTANICALS®	<i>Aloe Barbadensis</i> Leaf Extract
3204AZB	ANGELICA ROOT ZEA-BOTANICALS®	<i>Angelica Archangelica</i> Root Extract
3512ZB	APRICOT ZEA-BOTANICALS®	<i>Prunus Armeniaca</i> (Apricot) Fruit Extract
3201ZB	ARNICA MONTANA ZEA-BOTANICALS®	<i>Arnica Montana</i> Flower Extract
3347ZB	ARTICHOKE LEAF ZEA-BOTANICALS®	<i>Cynara Scolymus</i> (Artichoke) Leaf Extract
3168ZB	ASHWAGHANDHA ZEA-BOTANICALS®	<i>Withania Somnifera</i> Whole Plant
3310ZB	ASTRAGALUS ROOT ZEA-BOTANICALS®	<i>Astragalus Membranaceus</i> Root Extract
3995ZB	AVOCADO ZEA-BOTANICALS**	<i>Persea Gratissima</i> (Avocado) Fruit Extract
3208ZB	BARBERRY ROOT ZEA-BOTANICALS®	<i>Berberis Vulgaris</i> Root Extract
3209ZB	BAYBERRY BARK ZEA-BOTANICALS®	<i>Myrica Cerifera</i> (Bayberry) Bark Extract
3210CZB	BILBERRY ZEA-BOTANICALS®	<i>Vaccinium Myrtillus</i> Fruit Extract
3210ZB	BIRCH LEAF ZEA-BOTANICALS®	<i>Betula Alba</i> Leaf Extract
3211ZB	BLACK COHOSH ROOT ZEA-BOTANICALS®	<i>Cimicifuga Racemosa</i> Root Extract
3212ZB	BLACK WALNUT HULLS ZEA-BOTANICALS®	<i>Juglans Nigra</i> (Black Walnut) Shell Extract
3213ZB	BLADDERWRACK FROND ZEA-BOTANICALS®	<i>Fucus Vesiculosus</i> Extract
3214ZB	BLESSED THISTLE HERB ZEA-BOTANICALS®	<i>Carbenia Benedicta</i> Extract
3447ZB	BLUEBERRY EXTRACT ZEA-BOTANICALS**	<i>Vaccinium Corymbosum</i> (Blueberry) Fruit Extract
3215ZB	BLUEBERRY LEAF ZEA-BOTANICALS®	<i>Vaccinium Myrtillus</i> Leaf Extract
3220ZB	BONESET HERB ZEA-BOTANICALS®	<i>Eupatorium Purpureum</i> Flower/Leaf/Stem Extract
3417ZB	BOSWELLIA ZEA-BOTANICALS®	<i>Boswellia Serrata</i> Extract
3312ZB	BUPLEURUM ROOT ZEA-BOTANICALS®	<i>Bupleurum Chinese</i> Root Extract
3222ZB	BURDOCK ROOT ZEA-BOTANICALS®	<i>Arctium Lappa</i> Root Extract
3223ZB	CACTUS GRANDIFLORUS FLOWER ZEA-BOTANICALS®	<i>Cereus Grandiflorus</i> (Cactus) Flower Extract
3224ZB	CALENDULA FLOWER ZEA-BOTANICALS®	<i>Calendula Officinalis</i> Flower Extract
3225ZB	CAPSICUM ZEA-BOTANICALS®	<i>Capsicum Annuum</i> Fruit Extract
3452ZB	CARROT EXTRACT ZEA-BOTANICALS®	<i>Daucus Carota Sativa</i> (Carrot) Root Extract
3596ZB	CASCARA SAGRADA BARK ZEA-BOTANICALS®	<i>Rhamnus Purshiana</i> Bark Extract
9945AZB	CAT'S CLAW BARK ZEA-BOTANICALS®	<i>Uncaria Tomentosa</i> Bark Extract
3227BZB	CATNIP HERB ZEA-BOTANICALS®	<i>Nepeta Cataria</i> Extract
3228ZB	CELERY SEED ZEA-BOTANICALS®	<i>Apium Graveolens</i> (Celery) Seed Extract
3230ZB	CHAMOMILE FLOWER ZEA-BOTANICALS®	<i>Chamomilla Recutita</i> (Matricaria) Flower Extract
3234ZB	CHICKWEED HERB ZEA-BOTANICALS®	<i>Stellaria Media</i> (Chickweed) Extract
3235ZB	CINNAMON BARK ZEA-BOTANICALS®	<i>Cinnamomum Cassia</i> Bark Extract

3236AZB	CLEAVERS HERB ZEA-BOTANICALS*	<i>Galium Aparine Extract</i>
3314ZB	CODONOPSIS ROOT ZEA-BOTANICALS*	<i>Codonopsis Lanceolata Root Extract</i>
3172ZB	COFFEE SEED ZEA-BOTANICALS**	<i>Coffea Arabica (Coffee) Seed Extract</i>
3237ZB	COMFREY LEAF ZEA-BOTANICALS*	<i>Symphytum Officinale Leaf Extract</i>
3238ZB	COMFREY ROOT ZEA-BOTANICALS*	<i>Symphytum Officinale Root Extract</i>
3440ZB	CORDYCEPS ZEA-BOTANICALS	<i>Cordyceps Sinensis Extract</i>
3241ZB	CORN FLOWER ZEA-BOTANICALS*	<i>Centaurea Cyanus Flower Extract</i>
3242ZB	CORNSILK ZEA-BOTANICALS*	<i>Zea Mays (Corn) Silk Extract</i>
3244CZB	CRANBERRY ZEA-BOTANICALS*	<i>Vaccinium Macrocarpon (Cranberry) Fruit Extract</i>
3245ZB	CUCUMBER ZEA-BOTANICALS**	<i>Cucumis Sativus (Cucumber) Fruit Extract</i>
3246ZB	DAMIANA LEAF ZEA-BOTANICALS*	<i>Turnera Diffusa Leaf Extract</i>
3248ZB	DANDELION ROOT ZEA-BOTANICALS*	<i>Taraxacum Officinale (Dandelion) Root Extract</i>
3249ZB	DEVIL'S CLAW ROOT ZEA-BOTANICALS*	<i>Harpagophytum Procumbens Root Extract</i>
3251ZB	DONG QUAI ROOT ZEA-BOTANICALS*	<i>Angelica Polymorpha Sinensis Root Extract</i>
3252ZB	ECHINACEA ZEA-BOTANICALS*	<i>Echinacea Angustifolia Root / Echinacea Purpurea Extract Root Extract / Echinacea Purpurea Flower/Leaf/Stem Extract</i>
3253ZB	ELDER FLOWER ZEA-BOTANICALS*	<i>Sambucus Nigra Flower Extract</i>
3254ZB	ELDERBERRY ZEA-BOTANICALS**	<i>Sambucus Nigra Fruit Extract</i>
3255ZB	ELECAMPANE ROOT ZEA-BOTANICALS*	<i>Inula Helenium Extract</i>
3266ZB	ELEUTHERO ROOT ZEA-BOTANICALS*	<i>Acanthopanax Senticosus (Eleuthero) Root Extract</i>
3256ZB	EVENING PRIMROSE FLOWER ZEA-BOTANICALS*	<i>Oenothera Biennis (Evening Primrose) Flower Extract</i>
3257ZB	EYEBRIGHT HERB ZEA-BOTANICALS*	<i>Euphrasia spp. Extract</i>
3259ZB	FENNEL SEED ZEA-BOTANICALS*	<i>Foeniculum Vulgare (Fennel) Seed Extract</i>
3260ZB	FENUGREEK SEED ZEA-BOTANICALS*	<i>Trigonella Foenum-Graecum Seed Extract</i>
3260AZB	FEVERFEW HERB ZEA-BOTANICALS*	<i>Chrysanthemum Parthenium (Feverfew) Extract</i>
3261ZB	FO TI ROOT ZEA-BOTANICALS*	<i>Polygonum Multiflorum Cured Root Extract</i>
3269ZB	GARCINIA FRUIT ZEA-BOTANICALS**	<i>Garcinia Cambogia Fruit Extract</i>
3262ZB	GARLIC BULB ZEA-BOTANICALS*	<i>Allium Sativum (Garlic) Bulb Extract</i>
3263ZB	GENTIAN ROOT ZEA-BOTANICALS*	<i>Gentiana Lutea Root Extract</i>
3264ZB	GINGER ROOT ZEA-BOTANICALS*	<i>Zingiber Officinale (Ginger) Root Extract</i>
3059ZB	GINKGO LEAF ZEA-BOTANICALS*	<i>Ginkgo Biloba Leaf Extract</i>
3265CZB	GINSENG, AMERICAN ROOT ZEA-BOTANICALS*	<i>Panax Quinquefolium Root Extract</i>
3350ZB	GOJI ZEA-BOTANICALS*	<i>Lycium Barbarum Fruit Extract</i>

3268ZB	GOLDENSEAL ROOT ZEA-BOTANICALS*	<i>Hydrastis Canadensis (Goldenseal) Root Extract</i>
3424ZB	GOTU KOLA ZEA-BOTANICALS*	<i>Centella Asiatica Extract</i>
3413ZB	GRAPE SEED ZEA-BOTANICALS**	<i>Vitis Vinifera (Grape) Seed Extract</i>
3199ZB	GRAPEFRUIT SEED ZEA-BOTANICALS**	<i>Citrus Paradisi (Grapefruit) Seed Extract</i>
3345ZB	GREEN TEA LEAF ZEA-BOTANICALS*	<i>Camellia Sinensis Leaf Extract</i>
3346ZB	GUARANA SEED ZEA-BOTANICALS**	<i>Paullinia Cupana Seed Extract</i>
3320ZB	GYMNEMA LEAF ZEA-BOTANICALS*	<i>Gymnema Sylvestre Leaf Extract</i>
3270ZB	HAWTHORN BERRY ZEA-BOTANICALS*	<i>Crataegus Monogyna Fruit Extract</i>
3629ZB	HIBISCUS FLOWER ZEA-BOTANICALS*	<i>Hibiscus Sabdariffa Flower Extract</i>
3362ZB	HOLY BASIL LEAF ZEA-BOTANICALS*	<i>Ocimum Sanctum Leaf Extract</i>
3482ZB	HONEY ZEA-BOTANICALS*	<i>Honey</i>
3271ZB	HOPS STROBILE ZEA-BOTANICALS*	<i>Humulus Lupulus (Hops) Cone Extract</i>
3272ZB	HOREHOUND HERB ZEA-BOTANICALS*	<i>Marrubium Vulgare Extract</i>
3274ZB	HORSE CHESTNUT SEED ZEA-BOTANICALS*	<i>Aesculus Hippocastanum (Horse Chestnut) Seed Extract</i>
3273ZB	HORSETAIL HERB ZEA-BOTANICALS*	<i>Equisetum Arvense Extract</i>
3275ZB	HYDRANGEA ROOT ZEA-BOTANICALS*	<i>Hydrangea Arborescens Root Extract</i>
3276ZB	HYSSOP HERB ZEA-BOTANICALS*	<i>Hyssopus Officinalis Flower Extract</i>
3277ZB	IRISH MOSS ZEA-BOTANICALS*	<i>Chondrus Crispus Extract</i>
3281ZB	JUNIPER BERRY ZEA-BOTANICALS*	<i>Juniperus Communis Fruit Extract</i>
3281AZB	KAVA KAVA ROOT ZEA-BOTANICALS*	<i>Piper Methysticum Root Extract</i>
3282ZB	KELP ZEA-BOTANICALS*	<i>Ascophyllum Nodosum Extract</i>
3283ZB	KOLA NUT ZEA-BOTANICALS*	<i>Cola Nitida Seed Extract</i>
3285ZB	LAVENDER FLOWER ZEA-BOTANICALS*	<i>Lavandula Angustifolia (Lavender) Flower Extract</i>
3288ZB	LEMON BALM HERB ZEA-BOTANICALS*	<i>Melissa Officinalis Extract</i>
3289ZB	LEMON PEEL ZEA-BOTANICALS**	<i>Citrus Limon (Lemon) Peel Extract</i>
3291ZB	LICORICE ROOT ZEA-BOTANICALS*	<i>Glycyrrhiza Glabra (Licorice) Root Extract</i>
3293ZB	LINDEN FLOWER ZEA-BOTANICALS*	<i>Tilia Europaea Flower Extract</i>
3321ZB	LOMATIUM ROOT ZEA-BOTANICALS*	<i>Lomatium Dissectum Root Extract</i>
3408ZB	MANGO ZEA-BOTANICALS**	<i>Mangifera Indica Fruit (Mango) Extract</i>
3445ZB	MANGOSTEEN ZEA-BOTANICALS**	<i>Garcinia Mangostana Fruit Extract</i>
3265ZB	MARSHMALLOW ROOT ZEA-BOTANICALS*	<i>Althaea Officinalis Root Extract</i>
3299ZB	MEADOWSWEET ZEA-BOTANICALS*	<i>Spiraea Ulmaria Flower Extract</i>
3201ZB	MEXICAN ARNICA FLOWER ZEA-BOTANICALS*	<i>Heterotheca Inuloides Flower Extract</i>
3338DZB	MILK THISTLE SEED ZEA-BOTANICALS*	<i>Silybum Marianum Seed Extract</i>
3953ZB	MORINGA ZEA-BOTANICALS	<i>Moringa oleifera</i>
3301ZB	MOTHERWORT HERB ZEA-BOTANICALS*	<i>Leonurus Cardiaca Extract</i>

*Indicates Fruit/Herb Extract

3302ZB	MUIRA PUAMA ROOT ZEA-BOTANICALS*	<i>Ptychopetalum Olacoides</i> Root Extract
3303ZB	MULLEIN LEAF ZEA-BOTANICALS*	<i>Verbascum Thapsus</i> Leaf Extract
3304ZB	MYRRH GUM RESIN ZEA-BOTANICALS*	<i>Commiphora Myrrha</i> Resin
3367ZB	NETTLE LEAF ZEA-BOTANICALS*	<i>Urtica Dioica</i> (Nettle) Leaf Extract
3305ZB	NETTLE ROOT ZEA-BOTANICALS*	<i>Urtica Dioica</i> (Nettle) Root Extract
3270HZB	NEUTRAL HENNA ZEA-BOTANICALS*	<i>Cassia auriculata</i> (Henna) Powder
3504ZB	NONI ZEA-BOTANICALS**	<i>Morinda Citrifolia</i> Fruit Extract
98501ZB	NOPAL CACTUS ZEA-BOTANICALS*	<i>Opuntia Ficus-Indica</i> Extract
3307ZB	OAT SEED ZEA-BOTANICALS*	<i>Avena Sativa</i> (Oat) Seed Extract
3403ZB	OLIVE LEAF ZEA-BOTANICALS*	<i>Olea Europaea</i> (Olive) Leaf Extract
3309ZB	ORANGE PEEL ZEA-BOTANICALS**	<i>Citrus sinensis</i> (Orange) Peel Extract
3308AZB	OREGON GRAPE ROOT ZEA-BOTANICALS*	<i>Mahonia Aquifolium</i> Root Extract
3332ZB	OSHA ROOT ZEA-BOTANICALS*	<i>Ligusticum Porteri</i> Root Extract
3832ZB	PAPAYA LEAF ZEA-BOTANICALS*	<i>Carica Papaya</i> (Papaya) Leaf Extract
3311ZB	PARSLEY LEAF ZEA-BOTANICALS*	<i>Petroselinum Crispum</i> (Parsley) Leaf Extract
3470ZB	PASSION FRUIT ZEA-BOTANICALS**	<i>Passiflora Edulis</i> Fruit Extract
3313ZB	PASSIONFLOWER HERB ZEA-BOTANICALS*	<i>Passiflora Incarnata</i> Flower Extract
3314AZB	PAU D'ARCO INNER BARK ZEA-BOTANICALS*	<i>Tabebuia Impetiginosa</i> Bark Extract
3843ZB	PEACH FRUIT ZEA-BOTANICALS**	<i>Prunus Persica</i> (Peach) Fruit Extract
3363ZB	PEACH LEAF ZEA-BOTANICALS**	<i>Prunus Persica</i> (Peach) Leaf Extract
3314BZB	PENNYROYAL HERB ZEA-BOTANICALS*	<i>Mentha Pulegium</i> Extract
3315ZB	PEPPERMINT LEAF ZEA-BOTANICALS*	<i>Mentha Piperita</i> (Peppermint) Leaf Extract
3316ZB	PERIWINKLE HERB ZEA-BOTANICALS*	<i>Vinca Minor</i> Extract
3432ZB	PINEAPPLE FRUIT ZEA-BOTANICALS**	<i>Ananas Sativus</i> (Pineapple) Fruit Extract
3319ZB	PLANTAIN LEAF ZEA-BOTANICALS*	<i>Plantago Major</i> Leaf Extract
3421ZB	POMEGRANATE ZEA-BOTANICALS**	<i>Punica Granatum</i> Fruit Extract
3322ZB	PRICKLY ASH BARK ZEA-BOTANICALS*	<i>Zanthoxylum Americanum</i> Extract
3341ZB	PROPOLIS ZEA-BOTANICALS*	<i>Propolis</i> Extract
3324ZB	PUMPKIN SEED ZEA-BOTANICALS*	<i>Cucurbita Pepo</i> (Pumpkin) Seed Extract
3365ZB	QUILLAJA BARK ZEA-BOTANICALS*	<i>Quillaja Saponaria</i> Bark Extract
3326ZB	RED CLOVER TOPS ZEA-BOTANICALS*	<i>Trifolium Pratense</i> (Clover) Flower Extract
3327ZB	RED RASPBERRY LEAF ZEA-BOTANICALS**	<i>Rubus Idaeus</i> (Raspberry) Leaf Extract
3336ZB	REISHI ZEA-BOTANICALS*	<i>Ganoderma Lucidum</i> (Mushroom) Extract
3453ZB	RHODIOLA ZEA-BOTANICALS*	<i>Rhodiola Rosea</i> Root Extract
3328ZB	RHUBARB ROOT ZEA-BOTANICALS*	<i>Rheum Palmatum</i> Root Extract
3329ZB	ROSE HIPS ZEA-BOTANICALS*	<i>Rosa Canina</i> Fruit Extract
3330ZB	ROSEMARY LEAF ZEA-BOTANICALS*	<i>Rosmarinus Officinalis</i> (Rosemary) Leaf Extract
3331ZB	SAGE LEAF ZEA-BOTANICALS*	<i>Salvia Officinalis</i> (Sage) Leaf Extract

3333ZB	SARSAPARILLA ROOT ZEA-BOTANICALS*	<i>Smilax Aristolochiaefolia</i> Root Extract
3334ZB	SAW PALMETTO BERRY ZEA-BOTANICALS*	<i>Serenoa Serrulata</i> Fruit Extract
3336AZB	SCHIZANDRA BERRY ZEA-BOTANICALS*	<i>Schizandra Chinensis</i> Berry Extract
3338AZB	SENNA LEAF ZEA-BOTANICALS*	<i>Cassia Senna</i> Leaf Extract
3338ZB	SHIITAKE ZEA-BOTANICALS*	<i>Lentinus Edodes</i> Extract
3335ZB	SKULLCAP HERB ZEA-BOTANICALS*	<i>Scutellaria Lateriflora</i> Extract
3337ZB	SLIPPERY ELM BARK ZEA-BOTANICALS*	<i>Ulmus Fulva</i> Bark Extract
3342ZB	SPINACH LEAF ZEA-BOTANICALS*	<i>Spinacia Oleracea</i> (Spinach) Leaf Extract
3837ZB	SPIRULINA ZEA-BOTANICALS*	<i>Arthrospira Platensis</i> Extract
3909ZB	ST. JOHN'S WORT HERB ZEA-BOTANICALS*	<i>Hypericum Perforatum</i> Flower/Leaf/Stem Extract
3495ZB	STEVIA ZEA-BOTANICALS*	<i>Stevia Rebaudiana</i> Extract
3407ZB	STRAWBERRY ZEA-BOTANICALS**	<i>Fragaria Ananassa</i> (Strawberry) Fruit Extract
3339ZB	SUMA ROOT ZEA-BOTANICALS*	<i>Pfaffia Paniculata</i> Root Extract
3423ZB	TAMARIND ZEA-BOTANICALS*	<i>Tamarindus Indica</i> Fruit Extract
3344ZB	THYME HERB ZEA-BOTANICALS*	<i>Thymus Vulgaris</i> (Thyme) Extract
3418ZB	UVA URSI LEAF ZEA-BOTANICALS*	<i>Arctostaphylos Uva Ursi</i> Leaf Extract
3348ZB	VALERIAN ROOT ZEA-BOTANICALS*	<i>Valeriana Officinalis</i> Root Extract
3340ZB	VITEX BERRY ZEA-BOTANICALS*	<i>Vitex Agnus Castus</i> Extract
3941ZB	WATERMELON ZEA-BOTANICALS**	<i>Citrullus Lanatus</i> (Watermelon) Fruit Extract
3306ZB	WHITE OAK BARK ZEA-BOTANICALS*	<i>Quercus Alba</i> Bark Extract
3422ZB	WHITE TEA LEAF ZEA-BOTANICALS*	<i>Camellia Sinensis</i> Leaf Extract
3325ZB	WHITE WILLOW BARK ZEA-BOTANICALS*	<i>Salix Alba</i> (Willow) Bark Extract
3351ZB	WILD CHERRY BARK ZEA-BOTANICALS*	<i>Prunus Serotina</i> (Wild Cherry) Bark Extract
3355ZB	WILD YAM ROOT ZEA-BOTANICALS*	<i>Dioscorea Villosa</i> (Wild Yam) Root Extract
3356ZB	WITCH HAZEL LEAF ZEA-BOTANICALS*	<i>Hamamelis Virginiana</i> (Witch Hazel) Leaf Extract
3358ZB	YARROW FLOWERS ZEA-BOTANICALS*	<i>Achillea Millefolium</i> Flower Extract
3359ZB	YELLOWDOCK ROOT ZEA-BOTANICALS*	<i>Rumex Crispus</i> Root Extract
3956ZB	YERBA MATE LEAF ZEA-BOTANICALS*	<i>Ilex Paraguariensis</i> Leaf Extract
3359AZB	YOHIMBE ZEA-BOTANICALS*	<i>Corynanthe Yohimbe</i> Bark Extract
3360ZB	YUCCA ZEA-BOTANICALS*	<i>Yucca Schidigera</i> Stem Extract

Custom Extract Blends Available Upon Request - Contact an Associate for Details

PACKAGE SIZES: We understand that you may only need a small pail or you may need 200 kilograms. That is what we offer:

4 kilogram pail , 10 kilogram pail • 19 kilogram pail, 200 kilogram drums
Custom Orders

PROPYLENE GLYCOL

Propylene glycol is a viscous colorless and nearly odorless organic compound. As an effective humectant and wetting agent, it prevents water loss from the skin. It increases skin permeability of extracts and active ingredients as it penetrates into the out-most skin layers with emollient and lubricant properties. Also as an excellent solubilizer of ingredients, it increases the spreading properties of creams.



PRODUCT CODE	PRODUCT NAME	INCI NAME (PROPYLENE GLYCOL AND WATER)
3437NPG	ACAI IN PG	<i>Euterpe Oleracea</i> Fruit Extract
3203NPG	ALFALFA LEAF IN PG	<i>Medicago Sativa</i> (Alfalfa) Leaf Extract
3160NPG	ALOE VERA GEL IN PG	<i>Aloe Barbadensis</i> Leaf Extract
3204ANPG	ANGELICA ROOT IN PG	<i>Angelica Archangelica</i> Root Extract
3512NPG	APRICOT IN PG	<i>Prunus Armeniaca</i> (Apricot) Fruit Extract
3201MPG	ARNICA MONTANA IN PG	<i>Arnica Montana</i> Flower Extract
3347NPG	ARTICHOKE LEAF IN PG	<i>Cynara Scolymus</i> (Artichoke) Leaf Extract
3168NPG	ASHWAGANHA IN PG	<i>Withania Somnifera</i> Whole Plant
3310NPG	ASTRAGALUS ROOT IN PG	<i>Astragalus Membranaceus</i> Root Extract
3995NPG	AVOCADO IN PG*	<i>Persea Gratissima</i> (Avocado) Fruit Extract
3208NPG	BARBERRY ROOT IN PG	<i>Berberis Vulgaris</i> Root Extract
3209ANPG	BAYBERRY BARK IN PG	<i>Myrica Cerifera</i> (Bayberry) Bark Extract
3210CNPG	BILBERRY IN PG	<i>Vaccinium Myrtillus</i> Fruit Extract
3211NPG	BLACK COHOSH ROOT IN PG	<i>Cimicifuga Racemosa</i> Root Extract
3212NPG	BLACK WALNUT HULLS IN PG	<i>Juglans Nigra</i> (Black Walnut) Shell Extract
3213NPG	BLADDERWRACK FROND IN PG	<i>Fucus Vesiculosus</i> Extract
3214NPG	BLESSED THISTLE HERB IN PG	<i>Carbenia Benedicta</i> Extract
3447NPG	BLUEBERRY EXTRACT IN PG*	<i>Vaccinium Corymbosum</i> (Blueberry) Fruit Extract
3215NPG	BLUEBERRY LEAF IN PG	<i>Vaccinium Myrtillus</i> Leaf Extract
3220NPG	BONESET HERB IN PG	<i>Eupatorium Purpureum</i> Flower/Leaf/Stem Extract
3417NPG	BOSWELLIA IN PG	<i>Boswellia Serrata</i> Extract
3312NPG	BUPLEURUM ROOT IN PG	<i>Bupleurum Chinese</i> Root Extract
3222NPG	BURDOCK ROOT IN PG	<i>Arctium Lappa</i> Root Extract
3223NPG	CACTUS GRANDIFLORUS FLOWER IN PG	<i>Cereus Grandiflorus</i> (Cactus) Flower Extract
3224NPG	CALENDULA FLOWER IN PG	<i>Calendula Officinalis</i> Flower Extract
3225NPG	CAPSICUM IN PG	<i>Capsicum Annuum</i> Fruit Extract
3452NPG	CARROT EXTRACT IN PG	<i>Daucus Carota Sativa</i> (Carrot) Root Extract
3596NPG	CASCARA SAGRADA BARK IN PG	<i>Rhamnus Purshiana</i> Bark Extract
9945ANPG	CAT'S CLAW BARK IN PG	<i>Uncaria Tomentosa</i> Bark Extract
3227BNPG	CATNIP HERB IN PG	<i>Nepeta Cataria</i> Extract
3228NPG	CELERY SEED IN PG	<i>Apium Graveolens</i> (Celery) Seed Extract
3230NPG	CHAMOMILE FLOWER IN PG	<i>Chamomilla Recutita</i> (Matricaria) Flower Extract
3234NPG	CHICKWEED HERB IN PG	<i>Stellaria Media</i> (Chickweed) Extract
3235NPG	CINNAMON BARK IN PG	<i>Cinnamomum Cassia</i> Bark Extract
3236ANPG	CLEAVERS HERB IN PG	<i>Galium Aparine</i> Extract
3314NPG	CODONOPSIS ROOT IN PG	<i>Codonopsis Lanceolata</i> Root Extract

*Indicates Fruitanical Extract

3172NPG	COFFEE SEED IN PG*	<i>Coffea Arabica</i> (Coffee) Seed Extract
3237NPG	COMFREY LEAF IN PG	<i>Symphytum Officinale</i> Leaf Extract
3238NPG	COMFREY ROOT IN PG	<i>Symphytum Officinale</i> Root Extract
3440NPG	CORDYCEPS IN PG	<i>Cordyceps sinensis</i> extract
3241NPG	CORN FLOWER IN PG	<i>Centaurea Cyanus</i> Flower Extract
3242NPG	CORNSILK IN PG	<i>Zea Mays</i> (Corn) Silk Extract
3244CNPG	CRANBERRY IN PG	<i>Vaccinium Macrocarpon</i> (Cranberry) Fruit Extract
3245NPG	CUCUMBER IN PG*	<i>Cucumis Sativus</i> (Cucumber) Fruit Extract
3246NPG	DAMIANA LEAF IN PG	<i>Turnera Diffusa</i> Leaf Extract
3248NPG	DANDELION ROOT IN PG	<i>Taraxacum Officinale</i> (Dandelion) Root Extract
3249NPG	DEVIL'S CLAW ROOT IN PG	<i>Harpagophytum Procumbens</i> Root Extract
3251NPG	DONG QUAI ROOT IN PG	<i>Angelica Polymorpha Sinensis</i> Root Extract
3252NPG	ECHINACEA IN PG	<i>Echinacea Angustifolia</i> Root / <i>Echinacea Purpurea</i> Extract Root Extract / <i>Echinacea Purpurea</i> Flower/Leaf/Stem Extract
3253NPG	ELDER FLOWER IN PG	<i>Sambucus Nigra</i> Flower Extract
3254NPG	ELDERBERRY IN PG*	<i>Sambucus Nigra</i> Fruit Extract
3255NPG	ELECAMPANE ROOT IN PG	<i>Inula Helenium</i> Extract
3266NPG	ELEUTHERO ROOT IN PG	<i>Acanthopanax Senticosus</i> (Eleuthero) Root Extract
3256NPG	EVENING PRIMROSE FLOWER IN PG	<i>Oenothera Biennis</i> (Evening Primrose) Flower Extract
3257NPG	EYEBRIGHT HERB IN PG	<i>Euphrasia</i> spp. Extract"
3259NPG	FENNEL SEED IN PG	<i>Foeniculum Vulgare</i> (Fennel) Seed Extract
3260NPG	FENUGREEK SEED IN PG	<i>Trigonella Foenum-Graecum</i> Seed Extract
3260ANPG	FEVERFEW HERB IN PG	<i>Chrysanthemum Parthenium</i> (Feverfew) Extract
3261NPG	FO TI ROOT IN PG	<i>Polygonum Multiflorum</i> Cured Root Extract
3269NPG	GARCINIA FRUIT IN PG*	<i>Garcinia Cambogia</i> Fruit Extract
3262NPG	GARLIC BULB IN PG	<i>Allium Sativum</i> (Garlic) Bulb Extract
3263NPG	GENTIAN ROOT IN PG	<i>Gentiana Lutea</i> Root Extract
3264NPG	GINGER ROOT IN PG	<i>Zingiber Officinale</i> (Ginger) Root Extract
3059NPG	GINKGO LEAF IN PG	<i>Ginkgo Biloba</i> Leaf Extract
3265CNPG	GINSENG, AMERICAN ROOT IN PG	<i>Panax Quinquefolium</i> Root Extract
3350NPG	GOJI IN PG	<i>Lycium Barbarum</i> Fruit Extract
3268NPG	GOLDENSEAL ROOT IN PG	<i>Hydrastis Canadensis</i> (Goldenseal) Root Extract
3424NPG	GOTU KOLA IN PG	<i>Centella Asiatica</i> Extract
3413NPG	GRAPE SEED IN PG*	<i>Vitis Vinifera</i> (Grape) Seed Extract
3199NPG	GRAPEFRUIT SEED IN PG*	<i>Citrus Paradisi</i> (Grapefruit) Seed Extract
3345NPG	GREEN TEA LEAF IN PG	<i>Camellia Sinensis</i> Leaf Extract
3346NPG	GUARANA SEED IN PG*	<i>Paullinia Cupana</i> Seed Extract

3320NPG	GYMNEMA LEAF IN PG	<i>Gymnema Sylvestre</i> Leaf Extract
3270NPG	HAWTHORN BERRY IN PG	<i>Crataegus Monogyna</i> Fruit Extract
3629NPG	HIBISCUS FLOWER IN PG	<i>Hibiscus Sabdariffa</i> Flower Extract
3362NPG	HOLY BASIL LEAF IN PG	<i>Ocimum Sanctum</i> Leaf Extract
3482NPG	HONEY IN PG	Honey
3271NPG	HOPS STROBILE IN PG	<i>Humulus Lupulus</i> (Hops) Cone Extract
3272NPG	HOREHOUND HERB IN PG	<i>Marrubium Vulgare</i> Extract
3274NPG	HORSE CHESTNUT SEED IN PG	<i>Aesculus Hippocastanum</i> (Horse Chestnut) Seed Extract
3273NPG	HORSETAIL HERB IN PG	<i>Equisetum Arvense</i> Extract
3275NPG	HYDRANGEA ROOT IN PG	<i>Hydrangea Arborescens</i> Root Extract
3276NPG	HYSSOP HERB IN PG	<i>Hyssopus Officinalis</i> Flower Extract
3277NPG	IRISH MOSS IN PG	<i>Chondrus Crispus</i> Extract
3281NPG	JUNIPER BERRY IN PG	<i>Juniperus Communis</i> Fruit Extract
3281ANPG	KAVA KAVA ROOT IN PG	<i>Piper Methysticum</i> Root Extract
3282NPG	KELP IN PG	<i>Ascophyllum Nodosum</i> Extract
3283NPG	KOLA NUT IN PG	<i>Cola Nitida</i> Seed Extract
3285NPG	LAVENDER FLOWER IN PG	<i>Lavandula Angustifolia</i> (Lavender) Flower Extract
3288NPG	LEMON BALM HERB IN PG	<i>Melissa Officinalis</i> Extract
3289NPG	LEMON PEEL IN PG*	<i>Citrus Limon</i> (Lemon) Peel Extract
3291NPG	LICORICE ROOT IN PG	<i>Glycyrrhiza Glabra</i> (Licorice) Root Extract
3293NPG	LINDEN FLOWER IN PG	<i>Tilia Europaea</i> Flower Extract
3321NPG	LOMATIUM ROOT IN PG	<i>Lomatium Dissectum</i> Root Extract
3408NPG	MANGO IN PG*	<i>Mangifera Indica</i> Fruit (Mango) Extract
3445NPG	MANGOSTEEN IN PG*	<i>Garcinia Mangostana</i> Fruit Extract
3265NPG	MARSHMALLOW ROOT IN PG	<i>Althaea Officinalis</i> Root Extract
3299NPG	MEADOWSWEET IN PG	<i>Spiraea Ulmaria</i> Flower Extract
3201NPG	MEXICAN ARNICA FLOWER IN PG	<i>Heterotheca Inuloides</i> Flower Extract
3338DNPG	MILK THISTLE SEED IN PG	<i>Silybum Marianum</i> Seed Extract
3953NP	MORINGA IN PG	<i>Moringa oleifera</i>
3301NPG	MOTHERWORT HERB IN PG	<i>Leonurus Cardiaca</i> Extract
3302NPG	MUIRA PUAMA ROOT IN PG	<i>Ptychopetalum Olacoides</i> Root Extract
3303NPG	MULLEIN LEAF IN PG	<i>Verbascum Thapsus</i> Leaf Extract
3304NPG	MYRRH GUM RESIN IN PG	<i>Commiphora Myrrha</i> Resin
3367NPG	NETTLE LEAF IN PG	<i>Urtica Dioica</i> (Nettle) Leaf Extract
3305NPG	NETTLE ROOT IN PG	<i>Urtica Dioica</i> (Nettle) Root Extract
3270HNPG	NEUTRAL HENNA IN PG	<i>Cassia auriculata</i> (Henna) Powder
3504NPG	NONI IN PG*	<i>Morinda Citrifolia</i> Fruit Extract

98501NPG	NOPAL CACTUS IN PG	<i>Opuntia Ficus-Indica</i> Extract
3307NPG	OAT SEED IN PG	<i>Avena Sativa</i> (Oat) Seed Extract
3403NPG	OLIVE LEAF IN PG	<i>Olea Europaea</i> (Olive) Leaf Extract
3309NPG	ORANGE PEEL IN PG*	<i>Citrus sinensis</i> (Orange) Peel Extract
3308ANPG	OREGON GRAPE ROOT IN PG	<i>Mahonia Aquifolium</i> Root Extract
3332NPG	OSHA ROOT IN PG	<i>Ligusticum Porteri</i> Root Extract
3832NPG	PAPAYA LEAF IN PG	<i>Carica Papaya</i> (Papaya) Leaf Extract
3311NPG	PARSLEY LEAF IN PG	<i>Petroselinum Crispum</i> (Parsley) Leaf Extract
3470NPG	PASSION FRUIT IN PG*	<i>Passiflora Edulis</i> Fruit Extract
3313NPG	PASSIONFLOWER HERB IN PG	<i>Passiflora Incarnata</i> Flower Extract
3314ANPG	PAU D'ARCO INNER BARK IN PG	<i>Tabebuia Impetiginosa</i> Bark Extract
3843NPG	PEACH FRUIT IN PG*	<i>Prunus Persica</i> (Peach) Fruit Extract
3363NPG	PEACH LEAF IN PG*	<i>Prunus Persica</i> (Peach) Leaf Extract
3314BNPG	PENNYROYAL HERB IN PG	<i>Mentha Pulegium</i> Extract
3315NPG	PEPPERMINT LEAF IN PG	<i>Mentha Piperita</i> (Peppermint) Leaf Extract
3316NPG	PERIWINKLE HERB IN PG	<i>Vinca Minor</i> Extract
3432NPG	PINEAPPLE FRUIT IN PG*	<i>Ananas Sativus</i> (Pineapple) Fruit Extract
3319NPG	PLANTAIN LEAF IN PG	<i>Plantago Major</i> Leaf Extract
3421NPG	POMEGRANATE IN PG*	<i>Punica Granatum</i> Fruit Extract
3322NPG	PRICKLY ASH BARK IN PG	<i>Zanthoxylum Americanum</i> Extract
3341NPG	PROPOLIS IN PG	Propolis Extract
3324NPG	PUMPKIN SEED IN PG	<i>Cucurbita Pepo</i> (Pumpkin) Seed Extract
3365NPG	QUILLAJA BARK IN PG	<i>Quillaja Saponaria</i> Bark Extract
3326NPG	RED CLOVER TOPS IN PG	<i>Trifolium Pratense</i> (Clover) Flower Extract
3327NPG	RED RASPBERRY LEAF IN PG*	<i>Rubus Idaeus</i> (Raspberry) Leaf Extract
3336NPG	REISHI IN PG	<i>Ganoderma Lucidum</i> (Mushroom) Extract
3453NPG	RHODIOLA IN PG	<i>Rhodiola Rosea</i> Root Extract
3328NPG	RHUBARB ROOT IN PG	<i>Rheum Palmatum</i> Root Extract
3329NPG	ROSE HIPS IN PG	<i>Rosa Canina</i> Fruit Extract
3330NPG	ROSEMARY LEAF IN PG	<i>Rosmarinus Officinalis</i> (Rosemary) Leaf Extract
3331NPG	SAGE LEAF IN PG	<i>Salvia Officinalis</i> (Sage) Leaf Extract
3333NPG	SARSAPARILLA ROOT IN PG	<i>Smilax Aristolochiaefolia</i> Root Extract
3334NPG	SAW PALMETTO BERRY IN PG	<i>Serenoa Serrulata</i> Fruit Extract
3336ANPG	SCHIZANDRA BERRY IN PG	<i>Schizandra Chinensis</i> Berry Extract
3338ANPG	SENNA LEAF IN PG	<i>Cassia Senna</i> Leaf Extract
3338NPG	SHIITAKE IN PG	<i>Lentinus Edodes</i> Extract
3335NPG	SKULLCAP HERB IN PG	<i>Scutellaria Lateriflora</i> Extract
3337NPG	SLIPPERY ELM BARK IN PG	<i>Ulmus Fulva</i> Bark Extract

3342NPG	SPINACH LEAF IN PG	<i>Spinacia Oleracea</i> (Spinach) Leaf Extract
3837NPG	SPIRULINA IN PG	<i>Arthrospira Platensis</i> Extract
3909NPG	ST. JOHN'S WORT HERB IN PG	<i>Hypericum Perforatum</i> Flower/Leaf/Stem Extract
3495NPG	STEVIA IN PG	<i>Stevia Rebaudiana</i> Extract
3407NPG	STRAWBERRY IN PG*	<i>Fragaria Ananassa</i> (Strawberry) Fruit Extract
3339NPG	SUMA ROOT IN PG	<i>Pfaffia Paniculata</i> Root Extract
3423NPG	TAMARIND IN PG	<i>Tamarindus Indica</i> Fruit Extract
3344NPG	THYME HERB IN PG	<i>Thymus Vulgaris</i> (Thyme) Extract
3418NPG	UVA URSI LEAF IN PG	<i>Arctostaphylos Uva Ursi</i> Leaf Extract
3348NPG	VALERIAN ROOT IN PG	<i>Valeriana Officinalis</i> Root Extract
3340NPG	VITEX BERRY IN PG	<i>Vitex Agnus Castus</i> Extract
3941NPG	WATERMELON IN PG*	<i>Citrullus Lanatus</i> (Watermelon) Fruit Extract
3306NPG	WHITE OAK BARK IN PG	<i>Quercus Alba</i> Bark Extract
3422NPG	WHITE TEA LEAF IN PG	<i>Camellia Sinensis</i> Leaf Extract
3325NPG	WHITE WILLOW BARK IN PG	<i>Salix Alba</i> (Willow) Bark Extract
3351NPG	WILD CHERRY BARK IN PG	<i>Prunus Serotina</i> (Wild Cherry) Bark Extract
3355NPG	WILD YAM ROOT IN PG	<i>Dioscorea Villosa</i> (Wild Yam) Root Extract
3356NPG	WITCH HAZEL LEAF IN PG	<i>Hamamelis Virginiana</i> (Witch Hazel) Leaf Extract
3358NPG	YARROW FLOWERS IN PG	<i>Achillea Millefolium</i> Flower Extract
3359NPG	YELLOWDOCK ROOT IN PG	<i>Rumex Crispus</i> Root Extract
3956NPG	YERBA MATE LEAF IN PG	<i>Ilex Paraguariensis</i> Leaf Extract
3359ANPG	YOHIMBE IN PG	<i>Corynanthe Yohimbe</i> Bark Extract
3360NPG	YUCCA IN PG	<i>Yucca Schidigera</i> Stem Extract

Custom Extract Blends Available Upon Request

Contact an Associate for Details

PACKAGE SIZES:

We understand that you may only need a small pail
or you may need 200 kilograms.

That is what we offer:

**4 kilogram pail , 10 kilogram pail
19 kilogram pail, 200 kilogram drums**

Custom Orders

*Indicates Fruitanical Extract

BUTYLENE GLYCOL

Butylene Glycol is a commonly used slip agent and solubilizer that has multiple functions in cosmetics, depending on the formula. It is similar to propylene glycol but with a lighter texture.

Butylene Glycol can be used across a wide range of leave-on and rinse-off formulations to impart excellent solubilizing power.



PRODUCT CODE	PRODUCT NAME	INCI NAME (BUTYLENE GLYCOL AND WATER)
3203NBG	ALFALFA LEAF IN BG	<i>Medicago Sativa (Alfalfa) Leaf Extract</i>
3160NBG	ALOE VERA GEL IN BG	<i>Aloe Barbadensis Leaf Extract</i>
3204ANBG	ANGELICA ROOT IN BG	<i>Angelica Archangelica Root Extract</i>
3512ZNBG	APRICOT IN BG	<i>Prunus Armeniaca (Apricot) Fruit Extract</i>
3201MBG	ARNICA MONTANA IN BG	<i>Arnica montana Flower Extract</i>
3347NBG	ARTICHOKE LEAF IN BG	<i>Cynara Scolymus (Artichoke) Leaf Extract</i>
3168NBG	ASHWAGANHA IN BG	<i>Withania Somnifera Whole Plant</i>
3310NBG	ASTRAGALUS ROOT IN BG	<i>Astragalus Membranaceus Root Extract</i>
3995NBG	AVOCADO IN BG*	<i>Persea Gratissima (Avocado) Fruit Extract</i>
3208NBG	BARBERRY ROOT IN BG	<i>Berberis Vulgaris Root Extract</i>
3209NBG	BAYBERRY BARK IN BG	<i>Myrica Cerifera (Bayberry) Bark Extract</i>
3210CNBG	BILBERRY IN BG	<i>Vaccinium Myrtillus Fruit Extract</i>
3211NBG	BLACK COHOSH ROOT IN BG	<i>Cimicifuga Racemosa Root Extract</i>
3212NBG	BLACK WALNUT HULLS IN BG	<i>Juglans Nigra (Black Walnut) Shell Extract</i>
3213NBG	BLADDERWRACK FROND IN BG	<i>Fucus Vesiculosus Extract</i>
3214NBG	BLESSED THISTLE HERB IN BG	<i>Carbenia Benedicta Extract</i>
3447NBG	BLUEBERRY EXTRACT IN BG*	<i>Vaccinium Corymbosum (Blueberry) Fruit Extract</i>
3215NBG	BLUEBERRY LEAF IN BG	<i>Vaccinium Myrtillus Leaf Extract</i>
3220NBG	BONESET HERB IN BG	<i>Eupatorium Purpureum Flower/Leaf/Stem Extract</i>
3417NBG	BOSWELLIA IN BG	<i>Boswellia Serrata Extract</i>
3312NBG	BUPLEURUM ROOT IN BG	<i>Bupleurum Chinese Root Extract</i>
3222NBG	BURDOCK ROOT IN BG	<i>Arctium Lappa Root Extract</i>
3223NBG	CACTUS GRANDIFLORUS FLOWER IN BG	<i>Cereus Grandiflorus (Cactus) Flower Extract</i>
3224NBG	CALENDULA FLOWER IN BG	<i>Calendula Officinalis Flower Extract</i>
3225NBG	CAPSICUM IN BG	<i>Capsicum Annuum Fruit Extract</i>
3452NBG	CARROT EXTRACT IN BG	<i>Daucus Carota Sativa (Carrot) Root Extract</i>
3596NBG	CASCARA SAGRADA BARK IN BG	<i>Rhamnus Purshiana Bark Extract</i>
9945ANBG	CAT'S CLAW BARK IN BG	<i>Uncaria Tomentosa Bark Extract</i>
3227BNBG	CATNIP HERB IN BG	<i>Nepeta Cataria Extract</i>
3228NBG	CELERY SEED IN BG	<i>Apium Graveolens (Celery) Seed Extract</i>
3230NBG	CHAMOMILE FLOWER IN BG	<i>Chamomilla Recutita (Matricaria) Flower Extract</i>
3234NBG	CHICKWEED HERB IN BG	<i>Stellaria Media (Chickweed) Extract</i>
3235NBG	CINNAMON BARK IN BG	<i>Cinnamomum Cassia Bark Extract</i>
3236ANBG	CLEAVERS HERB IN BG	<i>Galium Aparine Extract</i>
3314NBG	CODONOPSIS ROOT IN BG	<i>Codonopsis Lanceolata Root Extract</i>
3172NBG	COFFEE SEED IN BG*	<i>Coffea Arabica (Coffee) Seed Extract</i>

*Indicates Fruitanical Extract

3237NBG	COMFREY LEAF IN BG	<i>Symphytum Officinale</i> Leaf Extract
3238NBG	COMFREY ROOT IN BG	<i>Symphytum Officinale</i> Root Extract
3440NBG	CORDYCEPS IN BG	<i>Cordyceps Sinensis</i> Extract
3241NBG	CORN FLOWER IN BG	<i>Centaurea Cyanus</i> Flower Extract
3242NBG	CORNSILK IN BG	<i>Zea Mays</i> (Corn) Silk Extract
3244CNBG	CRANBERRY IN BG	<i>Vaccinium Macrocarpon</i> (Cranberry) Fruit Extract
3245NBG	CUCUMBER IN BG*	<i>Cucumis Sativus</i> (Cucumber) Fruit Extract
3246NBG	DAMIANA LEAF IN BG	<i>Turnera Diffusa</i> Leaf Extract
3248NBG	DANDELION ROOT IN BG	<i>Taraxacum Officinale</i> (Dandelion) Root Extract
3249NBG	DEVIL'S CLAW ROOT IN BG	<i>Harpagophytum Procumbens</i> Root Extract
3251NBG	DONG QUAI ROOT IN BG	<i>Angelica Polymorpha Sinensis</i> Root Extract
3252NBG	ECHINACEA IN BG	<i>Echinacea Angustifolia</i> Root / <i>Echinacea Purpurea</i> Extract Root Extract / <i>Echinacea Ppurpurea</i> Flower/Leaf/Stem Extract
3253NBG	ELDER FLOWER IN BG	<i>Sambucus Nigra</i> Flower Extract
3254NBG	ELDERBERRY IN BG*	<i>Sambucus Nigra</i> Fruit Extract
3255NBG	ELECAMPANE ROOT IN BG	<i>Inula Helenium</i> Extract
3266NBG	ELEUTHERO ROOT IN BG	<i>Acanthopanax Senticosus</i> (Eleuthero) Root Extract
3256NBG	EVENING PRIMROSE FLOWER IN BG	<i>Oenothera Biennis</i> (Evening Primrose) Flower Extract
3257NBG	EYEBRIGHT HERB IN BG	<i>Euphrasia</i> spp. Extract
3259NBG	FENNEL SEED IN BG	<i>Foeniculum Vulgare</i> (Fennel) Seed Extract
3260NBG	FENUGREEK SEED IN BG	<i>Trigonella Foenum-Graecum</i> Seed Extract
3260ANBG	FEVERFEW HERB IN BG	<i>Chrysanthemum Parthenium</i> (Feverfew) Extract
3261NBG	FO TI ROOT IN BG	<i>Polygonum Multiflorum</i> Cured Root Extract
3269NBG	GARCINIA FRUIT IN BG*	<i>Garcinia Cambogia</i> Fruit Extract
3262NBG	GARLIC BULB IN BG	<i>Allium Sativum</i> (Garlic) Bulb Extract
3263NBG	GENTIAN ROOT IN BG	<i>Gentiana Lutea</i> Root Extract
3264NBG	GINGER ROOT IN BG	<i>Zingiber Officinale</i> (Ginger) Root Extract
3059NBG	GINKGO LEAF IN BG	<i>Ginkgo Biloba</i> Leaf Extract
3265CNBG	GINSENG, AMERICAN ROOT IN BG	<i>Panax Quinquefolium</i> Root Extract
3268NBG	GOLDENSEAL ROOT IN BG	<i>Hydrastis Canadensis</i> (Goldenseal) Root Extract
3424NBG	GOTU KOLA IN BG	<i>Centella Asiatica</i> Extract
3413NBG	GRAPE SEED IN BG*	<i>Vitis Vinifera</i> (Grape) Seed Extract
3199NBG	GRAPEFRUIT SEED IN BG*	<i>Citrus Paradisi</i> (Grapefruit) Seed Extract

3345NBG	GREEN TEA LEAF IN BG	<i>Camellia Sinensis</i> Leaf Extract
3346NBG	GUARANA SEED IN BG*	<i>Paullinia Cupana</i> Seed Extract
3320NBG	GYMNEMA LEAF IN BG	<i>Gymnema Sylvestre</i> Leaf Extract
3270NBG	HAWTHORN BERRY IN BG	<i>Crataegus Monogyna</i> Fruit Extract
3629NBG	HIBISCUS FLOWER IN BG	<i>Hibiscus Sabdariffa</i> Flower Extract
3362NBG	HOLY BASIL LEAF IN BG	<i>Ocimum Sanctum</i> Leaf Extract
3482NBG	HONEY IN BG	Honey
3271NBG	HOPS STROBILE IN BG	<i>Humulus Lupulus</i> (Hops) Cone Extract
3272NBG	HOREHOUND HERB IN BG	<i>Marrubium Vulgare</i> Extract
3274NBG	HORSE CHESTNUT SEED IN BG	<i>Aesculus Hippocastanum</i> (Horse Chestnut) Seed Extract
3273NBG	HORSETAIL HERB IN BG	<i>Equisetum Arvense</i> Extract
3275NBG	HYDRANGEA ROOT IN BG	<i>Hydrangea Arborescens</i> Root Extract
3276NBG	HYSSOP HERB IN BG	<i>Hyssopus Officinalis</i> Flower Extract
3277NBG	IRISH MOSS IN BG	<i>Chondrus Crispus</i> Extract
3281NBG	JUNIPER BERRY IN BG	<i>Juniperus Communis</i> Fruit Extract
3281ANBG	KAVA KAVA ROOT IN BG	<i>Piper Methysticum</i> Root Extract
3282NBG	KELP IN BG	<i>Ascophyllum Nodosum</i> Extract
3283NBG	KOLA NUT IN BG	<i>Cola Nitida</i> Seed Extract
3285NBG	LAVENDER FLOWER IN BG	<i>Lavandula Angustifolia</i> (Lavender) Flower Extract
3288NBG	LEMON BALM HERB IN BG	<i>Melissa Officinalis</i> Extract
3289NBG	LEMON PEEL IN BG*	<i>Citrus Limon</i> (Lemon) Peel Extract
3291NBG	LICORICE ROOT IN BG	<i>Glycyrrhiza Glabra</i> (Licorice) Root Extract
3293NBG	LINDEN FLOWER IN BG	<i>Tilia Europaea</i> Flower Extract
3321NBG	LOMATIUM ROOT IN BG	<i>Lomatium Dissectum</i> Root Extract
3408NBG	MANGO IN BG*	<i>Mangifera Indica</i> Fruit (Mango) Extract
3445NBG	MANGOSTEEN IN BG*	<i>Garcinia Mangostana</i> Fruit Extract
3265NBG	MARSHMALLOW ROOT IN BG	<i>Althaea Officinalis</i> Root Extract
3299NBG	MEADOWSWEET IN BG	<i>Spiraea Ulmaria</i> Flower Extract
3201NBG	MEXICAN ARNICA FLOWER IN BG	<i>Heterotheca Inuloides</i> Flower Extract
3338DNBG	MILK THISTLE SEED IN BG	<i>Silybum Marianum</i> Seed Extract
3953NPG	MORINGA IN PG	<i>Moringa oleifera</i>
3301NBG	MOTHERWORT HERB IN BG	<i>Leonurus Cardiaca</i> Extract
3302NBG	MUIRA PUAMA ROOT IN BG	<i>Ptychopetalum Olacoides</i> Root Extract
3303NBG	MULLEIN LEAF IN BG	<i>Verbascum Thapsus</i> Leaf Extract

3304NBG	MYRRH GUM RESIN IN BG	<i>Commiphora Myrrha</i> Resin
3367NBG	NETTLE LEAF IN BG	<i>Urtica Dioica</i> (Nettle) Leaf Extract
3305NBG	NETTLE ROOT IN BG	<i>Urtica Dioica</i> (Nettle) Root Extract
3270HNBG	NEUTRAL HENNA IN BG	<i>Cassia auriculata</i> (Henna) Powder
3504NBG	NONI IN BG*	<i>Morinda Citrifolia</i> Fruit Extract
9850NBG	NOPAL CACTUS IN BG	<i>Opuntia Ficus-Indica</i> Extract
3307NBG	OAT SEED IN BG	<i>Avena Sativa</i> (Oat) Seed Extract
3403NBG	OLIVE LEAF IN BG	<i>Olea Europaea</i> (Olive) Leaf Extract
3309NBG	ORANGE PEEL IN BG*	<i>Citrus sinensis</i> (Orange) Peel Extract
3308ANBG	OREGON GRAPE ROOT IN BG	<i>Mahonia Aquifolium</i> Root Extract
3332NBG	OSHA ROOT IN BG	<i>Ligusticum Porteri</i> Root Extract
3832NBG	PAPAYA LEAF IN BG	<i>Carica Papaya</i> (Papaya) Leaf Extract
3311NBG	PARSLEY LEAF IN BG	<i>Petroselinum Crispum</i> (Parsley) Leaf Extract
3470NBG	PASSION FRUIT IN BG*	<i>Passiflora Edulis</i> Fruit Extract
3313NBG	PASSIONFLOWER HERB IN BG	<i>Passiflora Incarnata</i> Flower Extract
3314ANBG	PAU D'ARCO INNER BARK IN BG	<i>Tabebuia Impetiginosa</i> Bark Extract
3843NBG	PEACH FRUIT IN BG*	<i>Prunus Persica</i> (Peach) Fruit Extract
3363NBG	PEACH LEAF IN BG*	<i>Prunus Persica</i> (Peach) Leaf Extract
3314BNBG	PENNYROYAL HERB IN BG	<i>Mentha Pulegium</i> Extract
3315NBG	PEPPERMINT LEAF IN BG	<i>Mentha Piperita</i> (Peppermint) Leaf Extract
3316NBG	PERIWINKLE HERB IN BG	<i>Vinca Minor</i> Extract
3432NBG	PINEAPPLE FRUIT IN BG*	<i>Ananas Sativus</i> (Pineapple) Fruit Extract
3319NBG	PLANTAIN LEAF IN BG	<i>Plantago Major</i> Leaf Extract
3421NBG	POMEGRANATE IN BG*	<i>Punica Granatum</i> Fruit Extract
3322NBG	PRICKLY ASH BARK IN BG	<i>Zanthoxylum Americanum</i> Extract
3341NBG	PROPOLIS IN BG	<i>Propolis</i> Extract
3324NBG	PUMPKIN SEED IN BG	<i>Cucurbita Pepo</i> (Pumpkin) Seed Extract
3365NBG	QUILLAJA BARK IN BG	<i>Quillaja Saponaria</i> Bark Extract
3326NBG	RED CLOVER TOPS IN BG	<i>Trifolium Pratense</i> (Clover) Flower Extract
3327NBG	RED RASPBERRY LEAF IN BG*	<i>Rubus Idaeus</i> (Raspberry) Leaf Extract
3336NBG	REISHI IN BG	<i>Ganoderma Lucidum</i> (Mushroom) Extract
3453NBG	RHODIOLA IN BG	<i>Rhodiola Rosea</i> Root Extract
3328NBG	RHUBARB ROOT IN BG	<i>Rheum Palmatum</i> Root Extract
3329NBG	ROSE HIPS IN BG	<i>Rosa Canina</i> Fruit Extract
3330NBG	ROSEMARY LEAF IN BG	<i>Rosmarinus Officinalis</i> (Rosemary) Leaf Extract
3331NBG	SAGE LEAF IN BG	<i>Salvia Officinalis</i> (Sage) Leaf Extract

3333NBG	SARSAPARILLA ROOT IN BG	<i>Smilax Aristolochiaefolia</i> Root Extract
3334NBG	SAW PALMETTO BERRY IN BG	<i>Serenoa Serrulata</i> Fruit Extract
3336ANBG	SCHIZANDRA BERRY IN BG	<i>Schizandra Chinensis</i> Berry Extract
3338ANBG	SENNA LEAF IN BG	<i>Cassia Senna</i> Leaf Extract
3338NBG	SHIITAKE IN BG	<i>Lentinus Edodes</i> Extract
3335NBG	SKULLCAP HERB IN BG	<i>Scutellaria Lateriflora</i> Extract
3337NBG	SLIPPERY ELM BARK IN BG	<i>Ulmus Fulva</i> Bark Extract
3342NBG	SPINACH LEAF IN BG	<i>Spinacia Oleracea</i> (Spinach) Leaf Extract
3837NBG	SPIRULINA IN BG	<i>Arthrospira Platensis</i> Extract
3909NBG	ST. JOHN'S WORT HERB IN BG	<i>Hypericum Perforatum</i> Flower/Leaf/Stem Extract
3495NBG	STEVIA IN BG	<i>Stevia Rebaudiana</i> Extract
3407NBG	STRAWBERRY IN BG*	<i>Fragaria Ananassa</i> (Strawberry) Fruit Extract
3339NBG	SUMA ROOT IN BG	<i>Pfaffia Paniculata</i> Root Extract
3423NBG	TAMARIND IN BG	<i>Tamarindus Indica</i> Fruit Extract
3344NBG	THYME HERB IN BG	<i>Thymus Vulgaris</i> (Thyme) Extract
3418NBG	UVA URSI LEAF IN BG	<i>Arctostaphylos Uva Ursi</i> Leaf Extract
3348NBG	VALERIAN ROOT IN BG	<i>Valeriana Officinalis</i> Root Extract
3340NBG	VITEX BERRY IN BG	<i>Vitex Agnus Castus</i> Extract
3941NBG	WATERMELON IN BG*	<i>Citrullus Lanatus</i> (Watermelon) Fruit Extract
3306NBG	WHITE OAK BARK IN BG	<i>Quercus Alba</i> Bark Extract
3422NBG	WHITE TEA LEAF IN BG	<i>Camellia Sinensis</i> Leaf Extract
3325NBG	WHITE WILLOW BARK IN BG	<i>Salix Alba</i> (Willow) Bark Extract
3351NBG	WILD CHERRY BARK IN BG	<i>Prunus Serotina</i> (Wild Cherry) Bark Extract
3355NBG	WILD YAM ROOT IN BG	<i>Dioscorea Villosa</i> (Wild Yam) Root Extract
3356NBG	WITCH HAZEL LEAF IN BG	<i>Hamamelis Virginiana</i> (Witch Hazel) Leaf Extract
3358NBG	YARROW FLOWERS IN BG	<i>Achillea Millefolium</i> Flower Extract
3359NBG	YELLOWDOCK ROOT IN BG	<i>Rumex Crispus</i> Root Extract
3956NBG	YERBA MATE LEAF IN BG	<i>Ilex Paraguariensis</i> Leaf Extract
3359ANBG	YOHIMBE IN BG	<i>Corynanthe Yohimbe</i> Bark Extract
3360NBG	YUCCA IN BG	<i>Yucca Schidigera</i> Stem Extract

Custom Extract Blends Available Upon Request • Contact an Associate for Details

*Indicates Fruitanical Extract

BIO-BOTANICA® NATURALLY DERIVED PLANT EXTRACTS MADE WITH BRONTIDE™

Bio-Botanica, Inc® has partnered with Genomatica Inc. to provide a new line of botanical extracts in a

Naturally Derived Butylene Glycol Made from the Fermentation of Natural, Non-GMO Sugar.

This naturally sourced butylene glycol has been designed for chemists and formulators looking for a multifunctional, all natural solvent that can be combined with all natural extracts for topical formulations in their effort to get away from synthetic solvents.

Features:

- Sustainable • Humectant • Boosts Effectiveness of Preservatives
- Adds Texture • Stabilizer

It's Time For a Better Glycol



Good For People - Safe, clean, and non-irritating. Traditional butylene glycol production has impurities at double the levels of Brontide™. Clinical studies show Brontide™ to be non-irritating at levels up to 40%.

Good For Our Planet - Made from natural and renewable sugars Brontide™ helps us take another step towards reducing our dependency on petroleum-derived ingredients.

Good For Formulators - Integrates into current formulations without sacrificing quality or needing reformulation.

Good For Brands - Brontide™ supports your ongoing commitment to making differentiated products with ingredients you're confident in and proud to tell your customers about.

PRODUCT CODE	PRODUCT NAME	INCI NAME (BUTYLENE GLYCOL AND WATER)
3203BIOBG	ALFALFA LEAF IN BIOBG	<i>Medicago Sativa (Alfalfa) Leaf Extract</i>
3160BIOBG	ALOE VERA GEL IN BIOBG	<i>Aloe Barbadensis Leaf Extract</i>
3204ABIOBG	ANGELICA ROOT IN BIOBG	<i>Angelica Archangelica Root Extract</i>
3512BIOBG	APRICOT IN BIOBG	<i>Prunus Armeniaca (Apricot) Fruit Extract</i>
3201MBIOBG	ARNICA MONTANA IN BIOBG	<i>Arnica Montana Flower Extract</i>
3347BIOBG	ARTICHOKE LEAF IN BIOBG	<i>Cynara Scolymus (Artichoke) Leaf Extract</i>
3168BIOBG	ASHWAGANHA IN BIOBG	<i>Withania Somnifera Whole Plant</i>
3310BIOBG	ASTRAGALUS ROOT IN BIOBG	<i>Astragalus Membranaceus Root Extract</i>
3995BIOBG	AVOCADO IN BIOBG*	<i>Persea Gratissima (Avocado) Fruit Extract</i>
3208BIOBG	BARBERRY ROOT IN BIOBG	<i>Berberis Vulgaris Root Extract</i>
3209BIOBG	BAYBERRY BARK IN BIOBG	<i>Myrica Cerifera (Bayberry) Bark Extract</i>
3210CBIOBG	BILBERRY IN BIOBG	<i>Vaccinium Myrtillus Fruit Extract</i>
3211BIOBG	BLACK COHOSH ROOT IN BIOBG	<i>Cimicifuga Racemosa Root Extract</i>
3212BIOBG	BLACK WALNUT HULLS IN BIOBG	<i>Juglans Nigra (Black Walnut) Shell Extract</i>
3213BIOBG	BLADDERWRACK FROND IN BIOBG	<i>Fucus Vesiculosus Extract</i>
3214BIOBG	BLESSED THISTLE HERB IN BIOBG	<i>Carbenia Benedicta Extract</i>
3447BIOBG	BLUEBERRY EXTRACT IN BIOBG*	<i>Vaccinium Corymbosum (Blueberry) Fruit Extract</i>
3215BIOBG	BLUEBERRY LEAF IN BIOBG	<i>Vaccinium Myrtillus Leaf Extract</i>
3220BIOBG	BONESET HERB IN BIOBG	<i>Eupatorium Purpureum Flower/Leaf/Stem Extract</i>
3417BIOBG	BOSWELLIA IN BIOBG	<i>Boswellia Serrata Extract</i>
3312BIOBG	BUPLEURUM ROOT IN BIOBG	<i>Bupleurum Chinese Root Extract</i>
3222BIOBG	BURDOCK ROOT IN BIOBG	<i>Arctium Lappa Root Extract</i>
3223BIOBG	CACTUS GRANDIFLORUS FLOWER IN BIOBG	<i>Cereus Grandiflorus (Cactus) Flower Extract</i>
3224BIOBG	CALENDULA FLOWER IN BIOBG	<i>Calendula Officinalis Flower Extract</i>
3225BIOBG	CAPSICUM IN BIOBG	<i>Capsicum Annuum Fruit Extract</i>
3452BIOBG	CARROT EXTRACT IN BIOBG	<i>Daucus Carota Sativa (Carrot) Root Extract</i>
3596BIOBG	CASCARA SAGRADA BARK IN BIOBG	<i>Rhamnus Purshiana Bark Extract</i>
9945ABIOBG	CAT'S CLAW BARK IN BIOBG	<i>Uncaria Tomentosa Bark Extract</i>
3227BBIOBG	CATNIP HERB IN BIOBG	<i>Nepeta Cataria Extract</i>
3228BIOBG	CELERY SEED IN BIOBG	<i>Apium Graveolens (Celery) Seed Extract</i>
3230BIOBG	CHAMOMILE FLOWER IN BIOBG	<i>Chamomilla Recutita (Matricaria) Flower Extract</i>
3234BIOBG	CHICKWEED HERB IN BIOBG	<i>Stellaria Media (Chickweed) Extract</i>
3235BIOBG	CINNAMON BARK IN BIOBG	<i>Cinnamomum Cassia Bark Extract</i>
3236ABIOBG	CLEAVERS HERB IN BIOBG	<i>Galium Aparine Extract</i>
3314BIOBG	CODONOPSIS ROOT IN BIOBG	<i>Codonopsis Lanceolata Root Extract</i>

*Indicates Fruitanical Extract

3172BIOBG	COFFEE SEED IN BIOBG*	<i>Coffea Arabica (Coffee) Seed Extract</i>
3237BIOBG	COMFREY LEAF IN BIOBG	<i>Symphytum Officinale Leaf Extract</i>
3238BIOBG	COMFREY ROOT IN BIOBG	<i>Symphytum Officinale Root Extract</i>
3440BIOBG	CORDYCEPS IN BIOBG	<i>Cordyceps Sinensis Extract</i>
3241BIOBG	CORN FLOWER IN BIOBG	<i>Centaurea Cyanus Flower Extract</i>
3242BIOBG	CORNSILK IN BIOBG	<i>Zea Mays (Corn) Silk Extract</i>
3244CBIOBG	CRANBERRY IN BIOBG	<i>Vaccinium Macrocarpon (Cranberry) Fruit Extract</i>
3245BIOBG	CUCUMBER IN BIOBG*	<i>Cucumis Sativus (Cucumber) Fruit Extract</i>
3246BIOBG	DAMIANA LEAF IN BIOBG	<i>Turnera Diffusa Leaf Extract</i>
3248BIOBG	DANDELION ROOT IN BIOBG	<i>Taraxacum Officinale (Dandelion) Root Extract</i>
3249BIOBG	DEVIL'S CLAW ROOT IN BIOBG	<i>Harpagophytum Procumbens Root Extract</i>
3251BIOBG	DONG QUAI ROOT IN BIOBG	<i>Angelica Polymorpha Sinensis Root Extract</i>
3252BIOBG	ECHINACEA IN BIOBG	<i>Echinacea Angustifolia Root / Echinacea Purpurea Extract Root Extract / Echinacea Ppurpurea Flower/ Leaf/Stem Extract</i>
3253BIOBG	ELDER FLOWER IN BIOBG	<i>Sambucus Nigra Flower Extract</i>
3254BIOBG	ELDERBERRY IN BIOBG*	<i>Sambucus Nigra Fruit Extract</i>
3255BIOBG	ELECAMPANE ROOT IN BIOBG	<i>Inula Helenium Extract</i>
3266BIOBG	ELEUTHERO ROOT IN BIOBG	<i>Acanthopanax Senticosus (Eleuthero) Root Extract</i>
3256BIOBG	EVENING PRIMROSE FLOWER IN BIOBG	<i>Oenothera Biennis (Evening Primrose) Flower Extract</i>
3257BIOBG	EYEBRIGHT HERB IN BIOBG	<i>Euphrasia spp. Extract</i>
3259BIOBG	FENNEL SEED IN BIOBG	<i>Foeniculum Vulgare (Fennel) Seed Extract</i>
3260BIOBG	FENUGREEK SEED IN BIOBG	<i>Trigonella Foenum-Graecum Seed Extract</i>
3260ABIOBG	FEVERFEW HERB IN BIOBG	<i>Chrysanthemum Parthenium (Feverfew) Extract</i>
3261BIOBG	FO TI ROOT IN BIOBG	<i>Polygonum Multiflorum Cured Root Extract</i>
3269BIOBG	GARCINIA FRUIT IN BIOBG*	<i>Garcinia Cambogia Fruit Extract</i>
3262BIOBG	GARLIC BULB IN BIOBG	<i>Allium Sativum (Garlic) Bulb Extract</i>
3263BIOBG	GENTIAN ROOT IN BIOBG	<i>Gentiana Lutea Root Extract</i>
3264BIOBG	GINGER ROOT IN BIOBG	<i>Zingiber Officinale (Ginger) Root Extract</i>
3059BIOBG	GINKGO LEAF IN BIOBG	<i>Ginkgo Biloba Leaf Extract</i>
3265CBIOBG	GINSENG, AMERICAN ROOT IN BIOBG	<i>Panax Quinquefolium Root Extract</i>
3268BIOBG	GOLDENSEAL ROOT IN BIOBG	<i>Hydrastis Canadensis (Goldenseal) Root Extract</i>
3424BIOBG	GOTU KOLA IN BIOBG	<i>Centella Asiatica Extract</i>
3413BIOBG	GRAPE SEED IN BIOBG*	<i>Vitis Vinifera (Grape) Seed Extract</i>
3199BIOBG	GRAPEFRUIT SEED IN BIOBG*	<i>Citrus Paradisi (Grapefruit) Seed Extract</i>
3345BIOBG	GREEN TEA LEAF IN BIOBG	<i>Camellia Sinensis Leaf Extract</i>
3346BIOBG	GUARANA SEED IN BIOBG*	<i>Paullinia Cupana Seed Extract</i>

3320BIOBG	GYMNEMA LEAF IN BIOBG	<i>Gymnema Sylvestre Leaf Extract</i>
3270BIOBG	HAWTHORN BERRY IN BIOBG	<i>Crataegus Monogyna Fruit Extract</i>
3629BIOBG	HIBISCUS FLOWER IN BIOBG	<i>Hibiscus Sabdariffa Flower Extract</i>
3362BIOBG	HOLY BASIL LEAF IN BIOBG	<i>Ocimum Sanctum Leaf Extract</i>
3482BIOBG	HONEY IN BIOBG	<i>Honey</i>
3271BIOBG	HOPS STROBILE IN BIOBG	<i>Humulus Lupulus (Hops) Cone Extract</i>
3272BIOBG	HOREHOUND HERB IN BIOBG	<i>Marrubium Vulgare Extract</i>
3274BIOBG	HORSE CHESTNUT SEED IN BIOBG	<i>Aesculus Hippocastanum (Horse Chestnut) Seed Extract</i>
3273BIOBG	HORSETAIL HERB IN BIOBG	<i>Equisetum Arvense Extract</i>
3275BIOBG	HYDRANGAEA ROOT IN BIOBG	<i>Hydrangea Arborescens Root Extract</i>
3276BIOBG	HYSSOP HERB IN BIOBG	<i>Hyssopus Officinalis Flower Extract</i>
3277BIOBG	IRISH MOSS IN BIOBG	<i>Chondrus Crispus Extract</i>
3281BIOBG	JUNIPER BERRY IN BIOBG	<i>Juniperus Communis Fruit Extract</i>
3281ABIOBG	KAVA KAVA ROOT IN BIOBG	<i>Piper Methysticum Root Extract</i>
3282BIOBG	KELP IN BIOBG	<i>Ascophyllum Nodosum Extract</i>
3283BIOBG	KOLA NUT IN BIOBG	<i>Cola Nitida Seed Extract</i>
3285BIOBG	LAVENDER FLOWER IN BIOBG	<i>Lavandula Angustifolia (Lavender) Flower Extract</i>
3288BIOBG	LEMON BALM HERB IN BIOBG	<i>Melissa Officinalis Extract</i>
3289BIOBG	LEMON PEEL IN BIOBG*	<i>Citrus Limon (Lemon) Peel Extract</i>
3291BIOBG	LICORICE ROOT IN BIOBG	<i>Glycyrrhiza Glabra (Licorice) Root Extract</i>
3293BIOBG	LINDEN FLOWER IN BIOBG	<i>Tilia Europaea Flower Extract</i>
3321BIOBG	LOMATIUM ROOT IN BIOBG	<i>Lomatium Dissectum Root Extract</i>
3408BIOBG	MANGO IN BIOBG*	<i>Mangifera Indica Fruit (Mango) Extract</i>
3445BIOBG	MANGOSTEEN IN BIOBG*	<i>Garcinia Mangostana Fruit Extract</i>
3265BIOBG	MARSHMALLOW ROOT IN BIOBG	<i>Althaea Officinalis Root Extract</i>
3299BIOBG	MEADOWSWEET IN BIOBG	<i>Spiraea Ulmaria Flower Extract</i>
3201BIOBG	MEXICAN ARNICA FLOWER IN BIOBG	<i>Heterotheca Inuloides Flower Extract</i>
3338DBIOBG	MILK THISTLE SEED IN BIOBG	<i>Silybum Marianum Seed Extract</i>
3953BIO	MORINGA SEED IN BIOBG	<i>Moringa oleifera</i>
3301BIOBG	MOTHERWORT HERB IN BIOBG	<i>Leonurus Cardiaca Extract</i>
3302BIOBG	MUIRA PUAMA ROOT IN BIOBG	<i>Ptychopetalum Olacoides Root Extract</i>
3303BIOBG	MULLEIN LEAF IN BIOBG	<i>Verbascum Thapsus Leaf Extract</i>
3304BIOBG	MYRRH GUM RESIN IN BIOBG	<i>Commiphora Myrrha Resin</i>
3367BIOBG	NETTLE LEAF IN BIOBG	<i>Urtica Dioica (Nettle) Leaf Extract</i>
3305BIOBG	NETTLE ROOT IN BIOBG	<i>Urtica Dioica (Nettle) Root Extract</i>
3270HBIOBG	NEUTRAL HENNA IN BIOBG	<i>Cassia auriculata (Henna) Powder</i>
3504BIOBG	NONI IN BIOBG*	<i>Morinda Citrifolia Fruit Extract</i>

98501BIOBG	NOPAL CACTUS IN BIOBG	<i>Opuntia Ficus-Indica</i> Extract
3307BIOBG	OAT SEED IN BIOBG	<i>Avena Sativa</i> (Oat) Seed Extract
3403BIOBG	OLIVE LEAF IN BIOBG	<i>Olea Europaea</i> (Olive) Leaf Extract
3309BIOBG	ORANGE PEEL IN BIOBG*	<i>Citrus sinensis</i> (Orange) Peel Extract
3308ABIOBG	OREGON GRAPE ROOT IN BIOBG	<i>Mahonia Aquifolium</i> Root Extract
3332BIOBG	OSHA ROOT IN BIOBG	<i>Ligusticum Porteri</i> Root Extract
3832BIOBG	PAPAYA LEAF IN BIOBG	<i>Carica Papaya</i> (Papaya) Leaf Extract
3311BIOBG	PARSLEY LEAF IN BIOBG	<i>Petroselinum Crispum</i> (Parsley) Leaf Extract
3470BIOBG	PASSION FRUIT IN BIOBG*	<i>Passiflora Edulis</i> Fruit Extract
3313BIOBG	PASSIONFLOWER HERB IN BIOBG	<i>Passiflora Incarnata</i> Flower Extract
3314ABIOBG	PAU D'ARCO INNER BARK IN BIOBG	<i>Tabebuia Impetiginosa</i> Bark Extract
3843BIOBG	PEACH FRUIT IN BIOBG*	<i>Prunus Persica</i> (Peach) Fruit Extract
3363BIOBG	PEACH LEAF IN BIOBG*	<i>Prunus Persica</i> (Peach) Leaf Extract
3314BBIOBG	PENNYROYAL HERB IN BIOBG	<i>Mentha Pulegium</i> Extract
3315BIOBG	PEPPERMINT LEAF IN BIOBG	<i>Mentha Piperita</i> (Peppermint) Leaf Extract
3316BIOBG	PERIWINKLE HERB IN BIOBG	<i>Vinca Minor</i> Extract
3432BIOBG	PINEAPPLE FRUIT IN BIOBG*	<i>Ananas Sativus</i> (Pineapple) Fruit Extract
3319BIOBG	PLANTAIN LEAF IN BIOBG	<i>Plantago Major</i> Leaf Extract
3421BIOBG	POMEGRANATE IN BIOBG*	<i>Punica Granatum</i> Fruit Extract
3322BIOBG	PRICKLY ASH BARK IN BIOBG	<i>Zanthoxylum Americanum</i> Extract
3341BIOBG	PROPOLIS IN BIOBG	<i>Propolis</i> Extract
3324BIOBG	PUMPKIN SEED IN BIOBG	<i>Cucurbita Pepo</i> (Pumpkin) Seed Extract
3365BIOBG	QUILLAJA BARK IN BIOBG	<i>Quillaja Saponaria</i> Bark Extract
3326BIOBG	RED CLOVER TOPS IN BIOBG	<i>Trifolium Pratense</i> (Clover) Flower Extract
3327BIOBG	RED RASPBERRY LEAF IN BIOBG*	<i>Rubus Idaeus</i> (Raspberry) Leaf Extract
3336BIOBG	REISHI IN BIOBG	<i>Ganoderma Lucidum</i> (Mushroom) Extract
3453BIOBG	RHODIOLA IN BIOBG	<i>Rhodiola Rosea</i> Root Extract
3328BIOBG	RHUBARB ROOT IN BIOBG	<i>Rheum Palmatum</i> Root Extract
3329BIOBG	ROSE HIPS IN BIOBG	<i>Rosa Canina</i> Fruit Extract
3330BIOBG	ROSEMARY LEAF IN BIOBG	<i>Rosmarinus Officinalis</i> (Rosemary) Leaf Extract
3331BIOBG	SAGE LEAF IN BIOBG	<i>Salvia Officinalis</i> (Sage) Leaf Extract
3333BIOBG	SARSAPARILLA ROOT IN BIOBG	<i>Smilax Aristolochiaefolia</i> Root Extract
3334BIOBG	SAW PALMETTO BERRY IN BIOBG	<i>Serenoa Serrulata</i> Fruit Extract
3336ABIOBG	SCHIZANDRA BERRY IN BIOBG	<i>Schizandra Chinensis</i> Berry Extract
3338ABIOBG	SENNA LEAF IN BIOBG	<i>Cassia Senna</i> Leaf Extract
3338BIOBG	SHIITAKE IN BIOBG	<i>Lentinus Edodes</i> Extract
3335BIOBG	Skullcap HERB IN BIOBG	<i>Scutellaria Lateriflora</i> Extract
3337BIOBG	SLIPPERY ELM BARK IN BIOBG	<i>Ulmus Fulva</i> Bark Extract

*Indicates Fruitanical Extract

3342BIOBG	SPINACH LEAF IN BIOBG	<i>Spinacia Oleracea</i> (Spinach) Leaf Extract
3837BIOBG	SPIRULINA IN BIOBG	<i>Arthrospira Platensis</i> Extract
3909BIOBG	ST. JOHN'S WORT HERB IN BIOBG	<i>Hypericum Perforatum</i> Flower/Leaf/Stem Extract
3495BIOBG	STEVIA IN BIOBG	<i>Stevia Rebaudiana</i> Extract
3407BIOBG	STRAWBERRY IN BIOBG*	<i>Fragaria Ananassa</i> (Strawberry) Fruit Extract
3339BIOBG	SUMA ROOT IN BIOBG	<i>Pfaffia Paniculata</i> Root Extract
3423BIOBG	TAMARIND IN BIOBG	<i>Tamarindus Indica</i> Fruit Extract
3344BIOBG	THYME HERB IN BIOBG	<i>Thymus Vulgaris</i> (Thyme) Extract
3418BIOBG	UVA URSI LEAF IN BIOBG	<i>Arctostaphylos Uva Ursi</i> Leaf Extract
3348BIOBG	VALERIAN ROOT IN BIOBG	<i>Valeriana Officinalis</i> Root Extract
3340BIOBG	VITEX BERRY IN BIOBG	<i>Vitex Agnus Castus</i> Extract
3941BIOBG	WATERMELON IN BIOBG	<i>Citrullus Lanatus</i> (Watermelon) Fruit Extract
3306BIOBG	WHITE OAK BARK IN BIOBG	<i>Quercus Alba</i> Bark Extract
3422BIOBG	WHITE TEA LEAF IN BIOBG	<i>Camellia Sinensis</i> Leaf Extract
3325BIOBG	WHITE WILLOW BARK IN BIOBG	<i>Salix Alba</i> (Willow) Bark Extract
3351BIOBG	WILD CHERRY BARK IN BIOBG	<i>Prunus Serotina</i> (Wild Cherry) Bark Extract
3355BIOBG	WILD YAM ROOT IN BIOBG	<i>Dioscorea Villosa</i> (Wild Yam) Root Extract
3356BIOBG	WITCH HAZEL LEAF IN BIOBG	<i>Hamamelis Virginiana</i> (Witch Hazel) Leaf Extract
3358BIOBG	YARROW FLOWERS IN BIOBG	<i>Achillea Millefolium</i> Flower Extract
3359BIOBG	YELLOWDOCK ROOT IN BIOBG	<i>Rumex Crispus</i> Root Extract
3956BIOBG	YERBA MATE LEAF IN BIOBG	<i>Ilex Paraguariensis</i> Leaf Extract
3359ABIOBG	YOHIMBE IN BIOBG	<i>Corynanthe Yohimbe</i> Bark Extract
3360BIOBG	YUCCA IN BIOBG	<i>Yucca Schidigera</i> Stem Extract

Custom Extract Blends Available Upon Request

Contact an Associate for Details

PACKAGE SIZES:

We understand that you may only need a small pail
or you may need 200 kilograms.

That is what we offer:

**4 kilogram pail , 10 kilogram pail
19 kilogram pail, 200 kilogram drums
Custom Orders**

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 personal care products. These powdered 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**

PRODUCT CODE	PRODUCT NAME	INCI NAME
4000SD	ALFALFA HERB 4:1 PE	<i>Medicago sativa (Alfalfa) Herb Extract</i>
4044	ALOE PHYTOGEL PE 1:199	<i>Aloe Barbadensis Leaf Juice</i>
4019	ARTICHOKE PE	<i>Cynara Scolymus (Artichoke) Leaf Extract</i>
4032	BERBERIS VULGARIS 4:1 PE	<i>Berberis Vulgaris Root Extract</i>
4042	BLACK COHOSH PE	<i>Black Cohosh PE</i>
25582PE	BLACK WALNUT & WORMWOOD PE	<i>Eugenia Caryophyllus (Clove) Bud Extract, Juglans Nigra (Black Walnut) Shell Extract, Artemisia Annua Extract, Artemisia Absinthium Extract</i>
4048	BLACK WALNUT PE 10:1	<i>Juglans Nigra (Black Walnut) Shell Extract</i>
4054SD	BLADDERWRACK PE	<i>Fucus Vesiculosus Extract</i>
4108SD	BURDOCK ROOT PE	<i>Arctium Lappa Root Extract</i>
4127SD	CASCARA SAGRADA BTR 3:1 SD	<i>Cascara Sagrada Bark Extract</i>
4138A	CELERY SEED EXTRACT PE	<i>Apium Graveolens (Celery) Seed Extract</i>
4144SD	CHAMOMILE FLOWER PE	<i>Chamomilla recutita (Matricaria) Flower Extract</i>
4156B	CHICKWEED WITHOUT CARAMEL PE	<i>Stellaria Media (Chickweed) Extract</i>
4156SDM	CHICORY PE	<i>Cichorium Intybus (Chicory) Root Extract</i>
4186	COUCHGRASS PE 4:1	<i>Agropyron Repens Root Extract</i>
4198	DAMIANA LEAVES PE	<i>Turnera Diffusa Leaf Extract</i>
4204	DANDELION PE	<i>Taraxacum Officinale (Dandelion) Rhizome/Root Extract</i>
4210	DEVIL'S CLAW PE	<i>Harpagophytum Procumbens Root Extract</i>
4222T	ECHINACEA FLOWERING TOPS PE	<i>Echinacea purpurea (Aerial Parts) Extract</i>
4228	ELDER FLOWERS PE	<i>Sambucus Nigra Flower Extract</i>
4300M	ELEUTHERO PE 5:1	<i>Acanthopanax Senticosus Extract</i>
4246	EYEBRIGHT PE	<i>Euphrasia Officinalis Extract</i>
4258	FENNEL SEED PE	<i>Foeniculum Vulgare (Fennel) Fruit Extract</i>
4264	FENUGREEK PE	<i>Fenugreek (Trigonella foenum-graecum) Seed Extract</i>
4282	GENTIAN ROOT PE	<i>Gentiana Lutea Root Extract</i>
4288	GINGER ROOT PE 4%	<i>Zingiber Officinale (Ginger) Root Extract, Zingiber Officinale (Ginger) Root Oil</i>
4318	GOTU-KOLA PE 4:1	<i>Hydrocotyle asiatica</i>
4318B	GREEN TEA WITH 6% CAFFEINE PE	<i>Camelia Sinensis Leaf Extract</i>
4321A	GUARANA 10% PE	<i>Paullina Cupana Seed Extract</i>



ORGANIC EXTRACTS

Bio-Botanica's available organic extracts

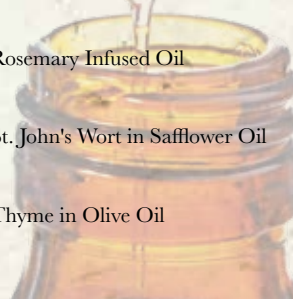


CODE	NAME	INCI NAME
3447ORG	Organic Blueberry in Glycerin	Vaccinium Corymbosum (Blueberry) Fruit Extract
3222ORG	Organic Burdock Root in Glycerin	Arctium Lappa Root Extract
3230ORG	Organic Chamomile in Glycerin	Chamomilla Recutita (Matricaria) Flower Extract
3244CORG	Organic Cranberry in Glycerin	Vaccinium Oxycoccus
3252ORG	Organic Echinacea Flower in Glycerin	Echinacea Angustifolia Root Extract/ Echinacea Purpurea Extract
3253ORG	Organic Elder Flower in Glycerin	Sambucus Nigra Flower Extract
3264ORG	Organic Ginger Root in Glycerin	Zingiber Officinale (Ginger) Root Extract
3272ORG	Organic Horehound in Glycerin	Marrubium Vulgare Extract
3285ORG	Organic Lavender in Glycerin	Lavandula Angustifolia (Lavender) Flower Extract
3288ORG	Organic Lemon Balm in Glycerin	Melissa Officinalis Extract
3982ORG	Organic Mushroom Complex in Glycerin	Tremella Fuciformis (Mushroom) Extract, Auricularia Auricula-Judae (Mushroom) Extract, Grifola Frondosa (Mushroom) Extract, Inonotus Obliquus (Mushroom) Extract, Ganoderma Lucidum (Mushroom) Extract
3367ORG	Organic Nettle Leaf in Glycerin	Urtica Dioica (Nettle) Leaf Extract
3309ORG	Organic Orange Peel in Glycerin	Citrus Aurantium Dulcis (Orange) Peel Extract
3311ORG	Organic Parsley in Glycerin	Petroselinum Crispum (Parsley) Leaf Extract
3313ORG	Organic Passionflower in Glycerin	Passiflora Incarnata Flower Extract
3315ORG	Organic Peppermint Leaf in Glycerin	Mentha Piperita (Peppermint) Leaf Extract
3453ORG	Organic Rhodiola in Glycerin	Rhodiola Rosea Root Extract
3330ORG	Organic Rosemary in Glycerin	Rosmarinus Officinalis (Rosemary) Leaf Extract
3351ORG	Organic Wild Cherry Bark in Glycerin	Prunus Serotina (Wild Cherry) Bark Extract
3325ORG	Organic White Willow Bark in Glycerin	Salix Alba Bark Extract



PERSONAL CARE OILS

3686B	Calendula in Olive Oil	Calendula Officinalis Flower Extract & Olea Europaea (Olive) Fruit Oil
9825B	Capsicum Floraceuticals™ 100,000	Capsicum Frutescens Resin & Zea Mays (Corn) Oil
9825SA	Capsicum in Sweet Almond Oil	Capsicum Frutescens Resin & Prunus Amygdalus Dulcis (Sweet Almond) Oil
9826	Carrot Floraceuticals™	Daucus Carota Sativa (carrot) Root Extract, Beta-Carotene, Tocoph- erol, Glycine Soja (Soybean) Oil & Zea Mays (Corn) Oil
3689	Chamomile 10:1 Sunflower Oil	Chamomilla Recutita (Matricaria) Flower Extract & Helianthus Annuus (Sunflower) Seed Oil
3689C	Chamomile in Olive Oil	Chamomilla Recutita (Matricaria) Flower Extract & Olea Europaea (Olive) Fruit Oil
3689S	Chamomile in Safflower Oil	Chamomilla Recutita (Matricaria) Flower Extract & Carthamus Tinctorius (Safflower) Seed Oil
3692C	Comfrey in Olive Oil	Symphytum Officinale Leaf Extract & Olea Europaea (Olive) Fruit Oil
3252C	Echinacea in Olive Oil	Echinacea Purpurea Flower/Leaf/Stem Extract & Olea Europaea (Olive) Fruit Oil
3712	Green Tea in Safflower Oil	Camellia Sinensis Leaf Extract & Carthamus Tinctorius (Safflower) Seed Oil
3281K	Kava Kava in Olive Oil	Piper Methysticum Root Extract & Olea Europaea (Olive) Fruit Oil
3285C	Lavender in Olive Oil	Lavandula Angustifolia (Lavender) Flower Extract & Olea Europaea (Olive) Fruit Oil
3285S	Lavender in Safflower Oil	Lavandula Angustifolia (Lavender) Flower Extract & Carthamus Tinctorius (Safflower) Seed Oil
3683B	Mexican Arnica in Olive Oil	Heterotheca Inuloides Flower Extract & Olea Europaea (Olive) Fruit Oil
5186	Oregano in Olive Oil	Origanum Vulgare Leaf Oil & Olea Europaea (Olive) Fruit Oil
3818A	Rosemary Infused Oil	Rosmarinus Officinalis (Rosemary) Leaf, Olea Europaea (Olive) Fruit Oil & Alcohol Denat.
3709	St. John's Wort in Safflower Oil	Hypericum Perforatum Flower/Leaf/Stem Extract & Carthamus Tinctorius (Safflower) Seed Oil
3923	Thyme in Olive Oil	Thymus Vulgaris (Thyme) Leaf Extract & Olea Europaea (Olive) Fruit Oil



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 FULLY 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.

SUPER FRUIT BLEND

AN EXTRACT BLEND OF SUPERFRUIT BOTANICALS

NAME:	INCI NAME:	CAS NUMBER:	EINECS NUMBER:
Goji	Lycium Barbarum Fruit Extract	85085-46-7	285-375-0 (I)
Coffee	Coffea Arabica (Coffee) Seed Extract	84650-00-0	283-481-1 (I)
Noni	Morinda Citrifolia Fruit Extract	84929-68-0	284-551-4 (I)
Pomegranate	Punica Granatum Juice Extract	84961-57-9	284-646-0 (I)
Mangosteen	Garcinia Mangostana Fruit Extract	90045-25-3	289-884-9 (I)
Green Tea	Camellia Sinensis Leaf Extract	84650-60-2	283-519-7 (I)
Acai	Euterpe Oleracea Fruit Extract	879496-95-4, 906351-38-0	N/A

PARTS USED: Fruit (Goji, Acai, Noni, Pomegranate, Mangosteen)
Seed (Coffee)
Leaf (Green Tea)

PROPERTIES: Super Fruit Blend is a combination of some of the best skincare components. Each ingredient has a plethora of beneficial properties as well as high antioxidant content.

BASES AVAILABLE: Various

RECOMMENDED USE: Super Fruit blend is an excellent addition to many types of personal care products looking for an antioxidant boost.

GENERAL SPECIFICATIONS:

APPEARANCE: Cloudy

COLOR: Amber yellow to amber brown

ODOR: Characteristic, herbal

PH: 3.2-5.5

SOLUBILITY: Partially soluble in water

SHELF LIFE: 24 months unopened

#3438



BIO-FLAVONOIDS, FE

A Hydro-Alcoholic Extract Blend of Lemon Peel, Orange Peel and Rose Hips

NAME	INCI NAME	CAS NUMBER	EINECS NUMBER
Lemon Peel	Citrus Limon (Lemon) Peel Extract	85085-28-584929-31-7	284-515-8 (I) 285-359-3 (I)
Orange Peel	Citrus Aurantium Dulcis (Orange) Peel Extract	N/A	N/A
Rose Hips	Rosa Canina Fruit Extract	84696-47-9	283-652-0 (I)

PART USED: Bio-flavonoids

PROPERTIES: Bioflavonoids (or flavonoids) are the component of plants that are involved in pigmentation, UV filtration, and nitrogen fixation. Bioflavonoids are well known for their antioxidant activity which makes them a highly desirable component for personal care products. This product, Bio-Flavonoids, utilizes components from the dog rose flower, lemon peel, and orange peel in order to maximize the bioflavonoid content of the product.

Bio-Flavonoids are an excellent addition to a large variety of types of formulations in the personal care industry. It can be added to boost the antioxidant content of just about any personal care product such as a shampoo, conditioner, body wash, face wash, lotions and in many other types of applications.

SUGGESTED USE LEVEL: 0.5% - 3.0%

COLOR: Brown to dark brown

PH: 3.5 - 5.5

ODOR: Characteristic, aromatic, herbal

SOLUBILITY: Soluble in water

SHELF LIFE: 24 months Unopened

#5201



SUPTRAPEIN®

**ALL NATURAL PRESERVATIVE FOR
MULTIPLE PERSONAL CARE & COSMETIC APPLICATIONS,
CRÉMES, SHAMPOOS, SOAPS, LOTIONS, ETC.**

A proprietary synergistic blend of botanical extracts and essential oils that has the ability to inhibit a wide range of microorganisms.

INCI NAME:

Thymol	CAS No: 89-83-8
Mentha Piperita (Peppermint) Oil	CAS No: 8006-90-4, 84082-70-2
Origanum Vulgare Leaf Oil	CAS No: 84012-24-8
Rosmarinus Officinalis (Rosemary) Leaf Oil	CAS No: 8000-25-7
Lavandula Angustifolia (Lavender) Oil	CAS No: 8000-28-0
Cinnamomum Zeylancium Bark Oil	CAS No: 84649-98-9
Citrus Limon (Lemon) Peel Oil	CAS No: 8008-56-8, 8020-19-7, 84929-31-7
Hydrastis Canadensis (Goldenseal) Root Extract	CAS No: 84603-60-1
Olea Europaea (Olive) Leaf Extract	CAS No: 8060-29-5
Cinnamal	CAS No: 104-55-2

APPEARANCE: Liquid

COLOR: Amber yellow

AROMA: Characteristic, aromatic, pungent

EFFICACY: Anti-bacterial and anti-fungal

RECOMMENDED USE LEVEL: 0.45%

RECOMMENDED TEMPERATURE RANGE: 20°- 30°C (68°- 80°F)

METHOD OF MANUFACTURING: Extraction of the proprietary mixture of herbs by *Bio-Chelation® & blending

SOLVENT FOR EXTRACTION: Alcohol and water

ADDITIVES: None

SOLUBILITY: Mostly soluble in oils, fats and non-polar solvents

RECOMMENDED STORAGE: Store in a cool dry place, away from excessive heat or freezing temperatures

SHELF LIFE: 24 months (unopened)

SPECIFICATIONS:

SPECIFIC GRAVITY: 0.850-1.100 (TM009/USP <841>)

#8570

US Patent # US 7,214,392



BIO-SAPONINS™

THE NATURAL SURFACE ACTIVE AGENT

Natural detergent, foaming agent and emulsifier

Saponins are naturally occurring high-molecular-weight glycosides with distinct foaming characteristics. They are found in many plants, but get their name from the soapwort plant (saponaria), of which the root was historically used as soap. The name saponin is derived from the Latin word sapo, which means soap.

Bio-Saponins™ is a propriety blend of Sarsaparilla Root, Wild Yam Root, Quillaja Root and Yucca Root.

INCI NAME:

Yucca Schidigera Root Extract
Quillaja Saponaria Bark Extract

CAS NUMBER:

N/A
68990-67-0
97404-52-9
90147-49-2

EINECS NUMBER:

N/A
273-620-4 (I)
N/A
290-441-7 (I)

APPLICATIONS:

Saponins are high-foaming agents and therefore excellent to use when natural surface active compounds are required. Saponins are excellent when used in soaps, shampoos, creams, lotions, shaving products, body washes, etc. Bio-Saponins™ is also ideal for natural toothpaste.

STUDIES:

Surface tension, Foaming Index and Foam Stability were compared to Tween 80 & SLS (Sodium Lauryl-Sulfate)

Surface tension – Similar to Tween 80 and slightly less than SLS.

Foaming Index – Better than Tween 80 and SLS.

Foaming Stability – Better than Tween 80 and SLS.

(See additional literature for more information)

TESTING:

Bio-Saponins™ has been evaluated for Ocular Irritancy Potential with the Hen's Egg Test, utilizing the ChorioAllantoic Membrane (HET-CAM). Under the conditions of the test, the results indicated that the product at 10% showed practically no ocular irritation potential. (A copy of the test results is available upon request)

Additional literature on Bio-Saponins™ available on request.



#3155A

PHYTOPLENOLIN®

PHYTOPLENOLIN® is an extract from the Australian native plant known as Centipeda Cunninghamii. The plant has been used by Australian aborigines for many years and is highly regarded for its healing properties.

The active components in the extract (Sesquiterpene lactones) have shown to have outstanding cell renewal, anti-inflammatory and antimicrobial properties. Each delivers proven results for the fast and effective relief and treatment of skin conditions such as eczema, psoriasis, fungal infections of the feet, dermatitis, allergy rashes, windburn, sunburn or any dry skin complaint.

INCI NAME: Centipeda Cunninghamii Extract

APPROVED FOR USE IN UNITED STATES AND AUSTRALIA

Stable In pH Range From 3.00-7.00

Completely Miscible With Water

SUGGESTED PRODUCT CATEGORIES: Sunscreens, Creams, Lotions,

Bar Soaps, Mouth Rinses

RECOMMENDED USE LEVELS: 0.1-1.0%

APPEARANCE: liquid

COLOR: light brown to brown

AROMA: characteristic, aromatic

METHOD OF MANUFACTURING: extraction by *Bio-Chelation®

SOLVENT FOR EXTRACTION: Aqueous alcohol

VEHICLE: Butylene Glycol (CAS No. 107-88-0), USP Purified Water (CAS No. 7732-18-5)

RECOMMENDED STORAGE: store in a cool dry place,

away from excessive heat or freezing temperatures

SHELF LIFE: 24 months unopened

SPECIFICATIONS:

RESIDUE: <5.00% (16 hrs. @ 105°C)

REFRACTIVE INDEX: 1.3800-1.4100 (USPXXV <831>)

SPECIFIC GRAVITY: 1.0200-1.0450 (USPXXV <841>)

PH: 4.80 - 5.80 (USPXXV <791>)

MICROBIOLOGICAL: (USPXXV <61>)

TOTAL AEROBIC PLATE COUNT (TAPC): <500 C.F.U./gm

COMBINED YEAST & MOLD COUNT (CYM): <200 C.F.U./gm

STAPHYLOCOCCUS AUREUS: Negative

E. COLI: Negative

#9870L





BIO-BOTANICA® HAIR CARE COMPLEXES:

There are numerous botanical extracts that are known to provide strengthening properties and stimulate hair follicles that can be blended in to hair care products. We have provided a combination of these extracts in blends that we manufacture and which are targeted for specific use. These blends incorporate well into shampoos, conditioners and hair rinses.

5098 Neutral Henna FE:

Cassia auriculata (Henna) Powder, Glycerin, Water & Alcohol. It can be used at levels of 1-5% in shampoos, rinses, conditioners and sprays to add highlights to the hair. It includes glycerin and water.

3149 Nutra Plant Complex II:

A blend of the extracts of Equisetum arvense Extract, Rosmarinus officinalis (Rosemary) Leaf Extract, Honey, Urtica dioica (Nettle) Leaf Extract, Chamomilla recutita (Matricaria) Flower Extract, Symphytum officinale Leaf Extract, Humulus lupulus (Hops) Extract, Cassia auriculata (Henna) Powder, Glycerin, Water & Alcohol. This blend was formulated for use in shampoos, hair rinses and conditioners to stimulate, strengthen and add highlights to hair.

The usual levels of introduction is 1-5% in the aqueous phase. It includes glycerin.

3993 Folistim 2

A blend of the extracts of Mentha Piperita Leaf Extract, Heterotheca Inuloides Flower Extract, Urtica Dioica Leaf Extract, Centella Asiatica Extract, Capsicum Frutescens Fruit Extract, Cochlearia Armoracia Root Extract, Glycerin & Water. This blend has been used in hair formulas to stimulate the hair follicles and consequently accelerate hair growth. When used at levels of 0.05 – 0.5% a noticeable tingling sensation has been reported. Applications include shampoos, conditioners and hair care tonics.



FLORACEUTICAL®

Our Floraceuticals® are all natural extracts which are processed by isolating the active constituent desired from a plant. This scientific procedure ensures that the finished product reaches a specific percentage of the desired constituent.

9865	American Ginseng Floraceutical®	<i>Panax Quinquefolium Root Extract, Panax Ginseng Root Extract (Chinese), Butylene Glycol & Water</i>
9825B	Capsicum Floraceutical®	<i>Capsicum Frutescens Resin & Zea Mays (Corn) Oil</i>
9826	Carrot Floraceutical®	<i>Daucus Carota Sativa (carrot) Root Extract, Beta-Carotene, Tocopherol, Glycine Soja (Soybean) Oil & Zea Mays (Corn) Oil</i>
9945A	Cat's Claw Floraceutical®	<i>Uncaria Tomentosa Extract (Cat's Claw), Butylene Glycol & Water</i>
9869A	Centella Floraceutical®	<i>Centella Asiatica Extract, Butylene Glycol & Water</i>
9831	Chamomile Floraceutical®	<i>Chamomilla Recutita (Matricaria) Flower Extract, Butylene Glycol & Water</i>
9861A	Ginkgo Biloba Floraceutical®	<i>Ginkgo Biloba Leaf Extract, Butylene Glycol & Water</i>
9945	Green Tea Floraceutical®	<i>Camellia Sinensis Leaf Extract, Butylene Glycol, Water & Caffeine</i>
9852	Purple Coneflower Floraceutical®	<i>Echinacea Purpurea Flower/Leaf/Stem Extract, Echinacea Purpurea Root Extract, Butylene Glycol & Water</i>





ASHWAGANDHA STANDARDIZED 5404ST

Bio-Botanica offers a standardized Ashwagandha. As an added ingredient to any beauty product, Ashwagandha protects and improves skin complexion. The herb's anti-stress properties can also help fend off acne-inducing stress hormones. Ashwagandha works as a great anti-aging tool because of its ability to moisturize, protect, and calm the skin. Ashwagandha is also known to clear dirt and impurities from skin pores. Ashwagandha may also help as a remedy to strengthen hair and control hair loss thanks to the herb's antioxidants and anti-stress properties.

INCI NAME:	CAS Number:	EINECS Number:
Glycerin	56-81-5	200-289-5 (I)
Water	7732-18-5	231-791-2 (I)
<i>Withania somnifera</i> (Ashwagandha) Whole Plant Extract	90147-43-6	290-434-9 (I)

Standardized to Withaferin A and Withanolides



Made in the
USA

*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

EXTRACTS FOR WIPES

These natural extracts were chosen especially for the skin. These herbs target the skin to nourish, moisturize, cleanse or revitalize leaving your skin feeling silky smooth and replenished. Free radicals and contaminants such as air pollution, chemicals, pesticides, cigarette smoke and alcohol are all around us doing damage on our cells. These natural plant botanicals along with the benefits of either vegetable glycerin, Zemea® or Brontide® were chosen to optimize the effect on the skin.

POMEGRANATE: An exotic fruit know for its anti-oxidant benefits. Pomegranate helps to moisturize and hydrate the skin.

CALENDULA: Commonly known as marigold, it possesses antibacterial, anti-inflammatory, and antioxidant properties. Used for centuries to enhance skin tone and restore natural beauty to skin.

LAVENDER FLOWER: Lavender contains soothing, calming properties. Helps give skin clarity.

RHODIOLA: Research shows Rhodiola supports elastin production which helps give skin its elasticity. Elastin enables skin to bounce back instead of sagging or wrinkling. Also used in cosmetics as an antioxidant, astringent and skin-conditioning agent. Studies have also shown that Rhodiola enhances skin barriers, helps prevent premature aging and wrinkling.

WITCH HAZEL LEAF: Excellent for addressing flamed and swollen skin. Witch Hazel is a natural astringent and contains cleansing constituents.

HIBISCUS: The flowers of the Hibiscus have anti-oxidant properties and inhibit elastin degradation, helping to maintain the skin's elasticity and thereby offering anti-aging effects. Known for its skin conditioning properties it is beneficial in skin care products.

WHITE WILLOW BARK: White Willow Bark is a natural astringent. The herb contains salicylic acid, which acts as a natural exfoliate.



BLADDERWRACK: Effective antioxidant and has water-binding properties for skin. Bladderwrack, a seaweed, is an edible brown sea vegetable which grows in the Baltic regions of Europe and upper coastal regions of the United States. It's name comes from the sets of air-filled sacs or bladders which run along its center known as the thallus, and that helps keep it afloat in the ocean waters. Bladderwrack grows in the sea; it accumulates and concentrates various minerals and nutrients not readily found in earthbound plants. It is rich in iodine, alginic acid, and fucoidan, as well as calcium, magnesium, potassium, sodium, and iron.

GRAPE SEED: Contains flavonoids called oligomeric procyanidins (OPCs), which provides potent antioxidant protection. Grape Seed contains resveratrol, a substance that acts as an anti-inflammatory and provides antioxidant protection.

COFFEE SEED: Loaded with Chlorogenic acid, Trigonelline and Caffeic acid. These help reduce to growth of bacteria. Powerful antioxidants to neutralize free radicals that cause cell damage. Coffee and caffeine are both vasodilators, which cause the surface of the skin to constrict and give it a smooth appearance.

RED RASPBERRY LEAF: A potent antioxidant with anti-bacterial properties, the red raspberry leaf has multiple cosmetic benefits. Used as an astringent, it aids in tightening up the skin, making it more firm and wrinkle-free. The leaves contain a high concentration of nutrients which include flavonoids, polypeptides and tannins, to aid in the regeneration of skin.

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"WHERE SCIENCE BRINGS

SKIN

ACNE

Milk Thistle, Echinacea, Witch Hazel, Calendula, Burdock, Hops, Lavender, Arnica, Lemon Balm, White Willow, Papaya, Rosemary, Pineapple, Slippery Elm, Chamomile, Juniper Berries

AFTER SHAVE

Aloe Vera, Chamomile, Calendula, Comfrey, Slippery Elm, Fenugreek, Cucumber, Oats, Marshmallow, Milk Thistle, Witch Hazel, Ginkgo Biloba

ANTI-BACTERIAL

Grapefruit, Echinacea, Lavender, Rosemary, Lemon, Sage, Bayberry, Uva Ursi, Aloe Vera, Green Tea

ANTI-INFLAMMATORY

Calendula, Passionfruit, Cucumber, Green Tea, Nopal Cactus, White Willow Bark, Thyme, Burdock Root, Horsetail, Yarrow, Pineapple

ANTI-OXIDANTS

Green Tea, Superfruit Blend, Acai, Goji, Blueberry, Pomegranate, Pumpkin, Milk Thistle, Kelp, Coffee Seed, Goji, Nopal Cactus

ANTISEPTIC

Echinacea, Lavender, Lemon, Sage, Thyme, Grapefruit, Hops, Birch, Yarrow, Chamomile, Rosemary, Calendula, Garlic, Black Walnut, Myrrh, Cinnamon

ASTRINGENTS

Arnica, Bayberry, Witch Hazel, Myrrh, Plantain, Lemon Peel, Raspberry, Rose Hips, Rosemary, Comfrey, Yarrow, Nettle, Horsechestnut, Corn Flower, Bilberry, Hawthorn Berries

CELLULITE

Grapefruit, Kelp, Bladderwrack, Gotu Kola, Rosemary, Bayberry

CLEANSERS

Papaya, Burdock, Bio-Saponins™, Lemon Peel, Lavender, White Willow, Avocado, Irish moss, Rose Hips

DEODORANTS

Rosemary, Orange Peel, Citrus Bio-Flavonoid, Rose Hips, Witch Hazel, Chaparral, Parsley

DRY SKIN

Apricot, Cleavers, Comfrey, Burdock, Red Clover, Goldenseal, Nettle, Yellow Dock, Sarsaparilla, Thyme, White Willow

EMOLLIENTS / MOISTURIZING

Aloe Vera, Comfrey, Slippery Elm, Fenugreek, Oats, Orange Peel, Rose Hips, Cucumber, Calendula, Chamomile, Kelp, Bladderwrack

HEALING

Aloe, Comfrey, Horsetail Grass, Centella, Yarrow, Green Tea, Yucca, Chamomile, Gotu Kola, Chickweed

SKIN, DRY

Aloe Vera, Comfrey, Chamomile, Red Clover, Dandelion, Elder Flowers, Slippery Elm Bark, Kelp, Bladderwrack, Licorice, Oats, Orange Peel, Citrus Bio-flavonoids, Peach, Evening Primrose, Yarrow, Parsley, Cleavers, Arnica, Ginseng

SKIN, OILY

Cucumber, Dandelion, Fennel, Lavender, Lemon, Grapefruit, Lemon Grass, Rose Hips, Witch Hazel

SOOTHING & CALMING

Echinacea, Corn Flower, Comfrey, Calendula, Slippery Elm, Chamomile, St. John's Wort, Cucumber, Sage, Green Tea, Gotu Kola, Hawthorn Berries, Licorice, Aloe Vera, Oats, Passionfruit

OUT THE BEST OF NATURE™

SUNBURN

Aloe Vera, Calendula, Lemon Peel, Capsicum, Nettle, Slippery Elm, Comfrey, Witch Hazel, Kelp, Bladderwrack

UNDER EYE CARE

Chamomile, Cucumber, Eyebright, Green Tea, Corn Flower, Catnip, Wild Yam, Ginseng, Ginkgo Biloba, Pomegranate

VARICOSE

Golden Seal, Capsicum, Mullein, Horsechestnut, Comfrey, Calendula, Hawthorn, Witch Hazel

WOUNDS

Milk Thistle, Chamomile, Plantain, Comfrey, Chickweed, Golden Seal, St. John's Wort, Arnica, Calendula, Aloe Vera, Yarrow, Green Tea

HAIR

ANTI-DANDRUFF

Artichoke Leaf, Chamomile, Lemon Balm, Nettle, Witch Hazel, Orange Peel, Rosemary, White Willow, Bio-Saponins™, Chaparral, Thyme, Catnip

BLONDE HAIR

Golden Seal, Chamomile, Calendula, Oregon Grape, Grapefruit, Mullein Flowers, Elder Flowers, Lemon Peel

BRUNETTE

Sage, Chamomile, Rosemary, Black Walnut, Nettle, Raspberry, Neutral Henna

RED HAIR

Chamomile, Hibiscus, Calendula, Pomegranate, Acai

HAIR, DARK

Chaparral, Nettle, Chamomile, Thyme, Sage, Raspberry, Black Walnut, Red Raspberry

HAIR, Dry

Chamomile, Red Clover, Horsetail Grass, Comfrey Root, Elder Flowers, Peach Leaf, Rosemary, Sage, Kelp, Fenugreek, Dandelion, Hops

HAIR, TO ADD SHEEN

Chamomile, Yarrow, Thyme, Rosemary, Sage, Raspberry, Lemon Peel

HAIR, SPLIT ENDS

Horsetail Grass, Comfrey, Fenugreek, Rosemary, Echinacea, Lavender, Olive, Horsetail

HAIR STIMULANTS

Capsicum, Birch, White Willow Bark, Arnica, Alfalfa, Burdock Root, Saw Palmetto, Avocado, Catnip Herb, Ginkgo Biloba, Ginseng Root

NAILS

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Horsetail Grass, Comfrey, Calendula, Aloe Vera, Chamomile, Yarrow, Yucca

*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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