The goal of GREEN LINE BOTANICALS is to provide superior quality, cost-effective, botanical extracts, customizable in a variety of bases. Rapid sample turn-around and responsive technical service – that’s the GREEN LINE BOTANICALS approach.

We use a low-heat percolation method for botanical extraction. This process insures extracts of the highest quality without compromising the integrity of active components found naturally in the plant material.

GREEN LINE BOTANICALS is dedicated to meeting the individual marketing and performance needs of our customers. To do so we’ve created GLB Fusion™ Extract Blends, GLB Custom™ Extract Concentrates, GLB Standards™ Active Botanicals, and GLB Liplex™. Our comprehensive library of available plants sources allows us to create a nearly infinite number of unique botanical products. Our research team is available to assist you in developing the best GLB for your specific application.
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Skin Soothing & Moisturizing
Basic: Cucumber, Chamomile, Lavender, Slippery Elm, Orris Root, Green Tea, Oat, Echinacea, Gumbi Gumbi, Burdock Root, Calendula
Other: GLB Royal Jelly 10 GLY, GLB Standards™ Acai Phytosterols 20, GLB Manuka Honey 10GL, GLB Liplex™ Skin Rescue

Exfoliation & Brightening
Basic: Mandarin Orange, Bilberry, Desert Grape, Acerola, Quandong, Kakadu Plum
Other: GLB Standards™ Fruit Enzyme Blend I GL, GLB Standards™ Fruit Acid Blend AQ, GLB Green C 10 GLY

Antioxidant
Basic: Acai, Green Tea, Goji Berry, Tomato, Blueberry, Brazil Nut, Raspberry, Barley, Carrot Root
Other: GLB Rosemary Extract 10 LIPO, GLB Bilberry Extract 10 LIPO, GLB Pomegranate Seed Extract 10 LIPO, GLB Liplex™ Omega Complete

Acne prevention
Basic: Dandelion Root, Burdock Root, Kelp, Dong Quai, Reishi Mushroom, Licorice, Olive Leaf
Other: GLB Standards™ Willow Bark Extract AQ, GLB Chia Seed Extract 10 LIPO

Anti-inflammatory & Healing
Basic: Calendula, California Poppy, St. John’s Wort, Golden Seal, Yarrow, Milk Thistle, Lemon Myrtle, Arnica, Witch Hazel, Cinnamon, Eucalyptus, Tea Tree
Other: GLB Arnica 10 LIPO, GLB Sea Buckthorn Extract 10 LIPO
Acacia Flower Extract
Acacia Gum Extract
Acai Extract
Acerola Extract
African Red Bush Tea Extract
Agave Extract
Agrimony Extract
Alder Bark Extract
Aleppo Pepper Extract
Alfalfa Extract
Algae Extract
Allspice Extract
Almond Extract
Aloe Vera Extract
Althaea Extract
Amalaki Extract
Amber Extract
American Ginseng Extract
Amla Extract
Angelica Root Extract
Angus Castus Extract
Anise Extract
Anatto Extract
Anjou Pear Extract
Aonori Extract
Apple Blossom Extract
Apple Extract
Apricot Extract
Apricot Kernel Extract
Areca Catechu Extract
Arjuna Extract
Arnica Extract
Arrow root Extract
Artichoke Extract
Asafoetida Extract
Ashwagandha Extract
Asian Pear Extract
Asparagus Extract
Avocado Extract
Awapuhi Extract
Baizhi Extract
Balm Mint Extract
Balsam Peru Extract
Bamboo Extract
Banana Fruit Extract
Banana Leaf Extract
Banana Peel Extract
Barberry Root Extract
Barley Extract
Basil Extract
Bee Pollen Extract
Bayberry Extract
Bay Laurel Extract
Bay Leaf Extract
Bearberry Extract
Beech Bark Extract
Bergamot Herb Extract
Bee Pollen Extract
Beech Extract
Bergamot Extract
Bibitaki Fruit Extract
Bilberry Extract
Birch Leaf Extract
Bird of Paradise Extract
Bitter Cherry Extract
Bitter Orange Flower Extract
Blackberry Extract
Black Cohosh
Black Currant Extract
Black Henna Extract
Black Malva Extract
Black Mulberry Extract
Black Pepper Extract
Black Raspberry Extract
Black Tea Extract
Black Walnut Extract
Black Willow bark Extract
Bladderwrack Extract
Blessed Thistle Extract
Blood Orange Extract
Blood Root Extract
Blueberry Extract
Blue Bottles Extract
Blue Corn Extract
Blue Flag Extract
Blue Mallow Extract
Borage Extract
Boysenberry Extract
Bramble Extract
Brazil Nut Extract
Broccoli Extract
Bromelia Extract
Broom Flower Extract
Brown Algae Extract
Buchu Extract
Buckthorn Extract
Burdock Root Extract
Bush Nut Extract
Butcher’s Broom Extract
Cabbage Rose Extract
Cactus Flower Extract
Cajeput Extract
Calendula Extract
California Poppy Extract
Calla Lily Extract
Camellia Extract
Camphor Extract
Camu Camu Extract
Cantaloupe Extract
Capsicum Extract
Caraway Seed Extract
Cardamom Seed Extract
Carnation Extract
Carrot Extract
Cascara Extract
Cayenne Peppers Extract
Cedarwood Extract
Celandine Extract
Celery Extract
Chai Hu Extract
Chamomile Extract
Chapparal Extract
Chardonnay Grape Extract
Cherimoya Extract
Cherry Bark Extract
Cherry Fruit Extract
Chesnut Extract
Chia Extract
Chickweed Extract
Chicory Extract
China Bark Extract
Chinese Licorice Root Extract
Chinese Magnolia Extract
Chinese Sumac Extract
Chinese Yam Extract
Chrysanthemum Extract
Chlorella Extract
Cilantro Extract
Cinchona Extract
Cinnamon Extract
Citronella Extract
Clary Sage Extract
Clove Extract
Clover Blossom Extract
Cocoa Extract
Coconut Extract
Cockleburr Extract
Coffee Extract
Coleus Extract
Colonial Foot Extract
Comfrey Leaf Extract
Comfrey Root Extract
Condurango Extract
Coneflower Extract
Coptis Root Extract
Corallina Officinalis Extract
Coriander Seed Extract
Corn Extract
Cornflower Extract
Cornsilk Extract
Cotton Extract
Cowslip Extract
Crab Apple Extract
Cranberry Extract
Cranesbill Extract
We invite you to explore the opportunities our extracts can bring to your product development process.
Lettuce Extract
Lichen Extract
Licorice Root Extract
Lilac Extract
Lily of the Valley Extract
Lime Extract
Lime Peel Extract
Linden Flower Extract
Lingusticum Extract
Litchi Fruit Extract
Lotus Flower Extract
Lotus Root Extract
Lovage Extract
Luo Han Kuo Extract
Luffa Extract
Luo Han Kuo Extract
Macadamia Nut Extract
Madder Root Extract
Magnolia Extract
Maidenhair Fern Extract
Maitake Mushroom Extract
Maka Extract
Mallow Extract
Mandarin Extract
Mango Extract
Mangosteen Extract
Malt Extract
Manuka Honey Extract
Maqui Berry Extract
Marigold Extract
Marjoram Extract
Marshmallow Extract
Matcha Extract
Mate Extract
Meadow Sweet Extract
Medlar Extract
Melogold Extract
Melon Extract
Milk Extract
Milk Thistle Extract
Millet Extract
Mimosa Extract
Minneola Extract
Mistletoe Extract
Moanalua Extract
Molasses Extract
Moringa Seed Extract
Morning Glory Extract
Motherwort Extract
Mugwort Extract
Mulberry Leaf Extract
Mulberry Root Extract
Mullein Flower Extract
Mushroom Extract
Muskmelon Extract
Mustard Seed Extract
Mu Tong Extract
Myrrh Extract
Myrtle Extract
Narcissus Extract
Nectarine Extract
Neem Extract
Nettle Extract
Noni Extract
Nori Extract
Nutmeg Extract
Oak Bark Extract
Oak Gall Extract
Oak Moss Extract
Oat Bran Extract
Oat Extract
Oat Flour Extract
Oatmeal Extract
Oat Straw Extract
Olive Extract
Olive Leaf Extract
Onion Extract
Oolong Tea Extract
Orange Blossom Extract
Orange Extract
Orange Fruit Extract
Orange Peel Extract
Orchid Extract
Oregano Extract
Oregon Grape Extract
Orris Root Extract
Oswego Tea Extract
Oyster Shell Extract
Panax Ginseng Extract
Pansy Extract
Papaya Extract
Parsley Extract
Passionflower Extract
Passionfruit Extract
Patchouli Extract
Pau D’Arco Extract
Peach Fruit Extract
Peach Leaf Extract
Pear Extract
Pearl Extract
Pecan Nut Extract
Pelitory Extract
Pennyroyal Extract
Peony Flower Extract
Peppermint Extract
Perilla Seed Extract
Periwinkle Extract
Persian Lime Extract
Persimmon Extract
Petigrain Extract
Phellodendron Bark Extract
Pikake Extract
Pine Bark Extract
Pine Needle Extract
Pineapple Extract
Pink Grapefruit Extract
Plankton Extract
Plantain Extract
Plum Extract
Plumeria Extract
Poke Root Extract
Pomegranate Extract
Pomele Extract
Poplar Extract
Poppy Seed Extract
Potato Extract
Potato Peel Extract
Prickly Ash Extract
Prickly Pear Extract
Primrose Extract
Propolis Extract
Prune Extract
Pumpkin Extract
Pumpkin Seed Extract
Purple Fig Extract
Pyrethrum Extract
Quassia Extract
Qing Xiang Zi Extract
Queensland Nut Extract
Quince Extract
Quince Seed Extract
Quinoa Extract
Quinoa Seed Extract

...Low-heat percolation is employed to create botanical extracts of the highest quality...
Sage Extract
Sambucus Extract
Sanguisorba Extract
Sandalwood Extract
Sanguinaria Extract
Sapopanwood Extract
Sarsaparilla Extract
Sassafras Extract
Saw Palmetto Extract
Saxifraga Samentosa Extract
Savory Leaf Extract
Schizandra Extract
Sea Buckthorn Fruit Extract
Sea Fennel Extract
Sea Lettuce Extract
Sea Palm Extract
Seaweed Extract
Sea Whip Extract
Senega Root Extract
Sesame Extract
Shea Butter Extract
Sheep Sorrel Extract
Shepherd’s Purse Extract
Shiso Leaf Extract
Shitake Mushroom Extract
Siberian Ginseng Extract
Silk Tree Extract
Silver Birch Extract
Silver Ear Mushroom Extract
Silver Weed Extract
Skullcap Extract
Slippery Elm Bark Extract
Snakeroot Extract
Snow Flower Extract
Soapbark Extract
Soapwort Extract
Sophora Extract
Southernwood Extract
Soybean Extract
Spearmint Extract
Speedwell Extract
Spinach Extract
Spirulina Extract
Spruce Extract
Star Anise Extract
Star Fruit Extract
Stevia Extract
St. John’s Wort Extract
Stone Root Extract
Strawberry Extract
Sugar Cane Extract
Sugar Maple Extract
Sumac Extract
Sunflower Extract
Sunflower Seed Extract
Sweet Grass Extract
Sweet Cherry Extract
Sweet Potato Extract
Swertia Japonica Extract
Tamarind Fruit Extract
Tahiti Lime Extract
Tahitian Vanilla Bean Extract
Tangerine Peel Extract
Tangerine Extract
Tangelo Extract
Tansy Extract
Tarragon Extract
Taro Root Extract
Tayuyu Root Extract
Tea Tree Extract
Thyme Extract
Tomato Extract
Tonka Bean Extract
Tormentilla Extract
Turmeric Extract
Turnip Extract
Upo Fruit Extract
Umeboshi Extract
Usnea Barbata Extract
Uva Ursi Extract
Valerian Extract
Vanilla Bean Extract
Velvet Flower Extract
Vervain Extract
Vetiver Extract
Violet Extract
Vitex Fruit Extract
Wakame Extract
Wasabi Extract
Walnut Shell Extract
Watercress Extract
Watermelon Extract
Watermelon Rind Extract
Water Mint Extract
Wheat Extract
Wheat Bran Extract
Wheat Germ Extract
Wheat Grass Extract
White Birch Extract
White Ginger Extract
White Grapefruit Extract
White Nettle Extract
White Oak Bark Extract
White Pine Bark Extract
White Pond Lilly Extract
White Tea Extract
White Truffle Extract
White Willow Bark Extract
Wild Cherry Extract
Wild Indigo Extract
Wild Senna Extract
Wild Yam Extract
Wintergreen Extract
Witch Hazel Extract
Woolly Grass Extract
Wood Betony Extract
Yarrow Extract
Yeast Extract
Yellow Dock Root Extract
Yellow Solidago Extract
Yerba Mate Extract
Ylang Ylang Extract
Yerba Delotina Extract
Yerba Santa Extract
Yohimbine Extract
Yucca Extract
Yumberry Extract
Yu Xing Cao Extract
Yuzu Fruit Extract
Zhu Ling Mushroom Extract
### GLB Standards™ Our line of standardized active botanicals

<table>
<thead>
<tr>
<th>Trade Name</th>
<th>Active/ Benefits</th>
<th>INCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLB Willow Bark Extract AQ</td>
<td>Standardized to 10% Salicylic Acid. Increases cell turnover and effectively reduces reproduction of P. Acnes, the primary microorganism associated with acne.</td>
<td>Water, Salix Nigra (Willow) Bark Extract</td>
</tr>
<tr>
<td>GLB Acai Phytosterols 20</td>
<td>Standardized to 20% phytosterols content from acai. Easy-to-use alternative to traditional soy phytosterol, Melts on contact with skin. Helps restore lipid profile of skin for a full and hydrated appearance.</td>
<td>Euterpe Oleracea Fruit Extract</td>
</tr>
<tr>
<td>GLB Fruit Acid Blend</td>
<td>Powerful blend of standardized concentrations of fruit-based acids including lactic, citric and glycolic acids to efficiently exfoliate skin. This action will promote skin cell renewal to reveal fresh, luminous skin.</td>
<td>Water, Vaccinium Myrtillus Fruit Extract, Saccharum Officinarum (Sugar Cane) Extract, Acer Saccharum (Sugar Maple) Extract, Citrus Aurantium Dulcis (Orange) Fruit Extract</td>
</tr>
<tr>
<td>GLB Fruit Enzyme Blend I GL</td>
<td>Standardized concentrations of bromelain and papain enzymes to help slough dead skin cells. Can be used as additional chemical exfoliation to maximize cell turnover through alternative pathways.</td>
<td>Glycerin, Papain, Bromelain</td>
</tr>
</tbody>
</table>

### Green Line 10’s Our line of highly concentrated botanical extracts

<table>
<thead>
<tr>
<th>Trade Name</th>
<th>Active/ Benefits</th>
<th>INCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLB Manuka Honey 10 GLY</td>
<td>Manuka Honey to provide rehydration and skin feel. AHA Profile (Lacticacid, Citric Acid, Acetic Acid) to provide chemical exfoliation, resulting in brighter softer skin.</td>
<td>Glycerin, Water, Honey, Acetic Acid (Apple Cider Vinegar), Vaccinium Myrtillus Fruit Extract, Citrus Aurantium Dulcis (Orange) Extract</td>
</tr>
<tr>
<td>GLB Saw Palmetto 10 LIPO</td>
<td>Rich in phytosterols. Restores vital skin lipids and normalizes sebum production.</td>
<td>Octyldodecanol, Serenoa Serrulata Fruit Extract, Tocopherol</td>
</tr>
<tr>
<td>GLB Royal Jelly 10 GLY</td>
<td>Concentrated, nutrient-rich, royal jelly extract. Provides remoisturization and regeneration of skin. Powerful humectant helps nourish and soothe stressed skin.</td>
<td>Glycerin, Royal Jelly</td>
</tr>
<tr>
<td>GLB Bilberry Seed 10 LIPO</td>
<td>Packed with anthocyanins to protect skin cells by reducing oxidative stresses from the environment. This antioxidant action can prevent premature aging of cells by maintaining health and regeneration.</td>
<td>Helianthus Annuus (Sunflower) Seed Oil, Vaccinium Myrtillus Fruit Extract, Tocopherol</td>
</tr>
<tr>
<td>GLB Chia Seed 10 LIPO</td>
<td>Rich in Omegas 3, 6 &amp; 9. Helps restore lost skin lipids and improve hydration.</td>
<td>Helianthus Annuus (Sunflower) Seed Oil, Salvia Hispanica Seed Extract, Tocopherol</td>
</tr>
<tr>
<td>GLB Seabuckthorn 10 LIPO</td>
<td>High in carotenoids, vitamins A, C &amp; E. Provides antioxidant and skin soothing properties.</td>
<td>Helianthus Annuus (Sunflower) Seed Oil, Hippophae Rhamnoides Fruit Extract, Tocopherol</td>
</tr>
<tr>
<td>GLB Pomegranate Seed 10 LIPO</td>
<td>Super fruit extract rich in anthocyanins and potent antioxidants. Provides cellular protection and reduces oxidative stress.</td>
<td>Carthamus Tinctorius (Safflower) Seed Oil, Punica Granatum Seed Extract, Tocopherol</td>
</tr>
<tr>
<td>GLB Rosemary 10 LIPO</td>
<td>Powerful antioxidant abilities with antiseptic and anti-inflammatory properties. Rehydrates and tones the skin tone.</td>
<td>Olea Europaea (Olive) Fruit Oil, Rosmarinus Officinalis (Rosemary) Leaf Extract, Tocopherol</td>
</tr>
<tr>
<td>GLB Green C 10 GLY</td>
<td>Packed with Vitamin C to reduce the appearance of uneven skin tone. Reduces inflammation and boosts skin regeneration and collagen production.</td>
<td>Glycerin, Brassica Oleracea Acephala Leaf Extract, Spinacia Oleracea (Spinach) Leaf Extract, Brassica Rapa (Turnip) Leaf Extract</td>
</tr>
</tbody>
</table>
The Liplex™ Line from Green Line botanicals is a growing range of concentrated, lipid emulsions for skin and hair care. The very small particle size of the Liplex™ emulsion fluids allows for easy incorporation into aqueous systems, sprayable concepts and surfactant bases. Each Liplex™ product contains a unique blend of beneficial oils to target the specific skin or hair care needs of the customer.

That Liplex™ fluids will spontaneously disperse in water, providing emollience and softening even a low percentages. This may be thickened with a variety of rheology modifiers to form creams, lotions or serums with unique textures and attributes. The Liplex™ products can also be added to surfactant systems to prevent delipidation of the skin and hair after washing.

The Liplex™ Line may also be customized to fit your own performance marketing needs. Please contact your sales person for more information.

### Applications:
- Sprayable emulsions
- Creams and lotions
- Cleansing products
- Treatment serums
- Blooming bath
- Hand cleansers

### Use level:
- 2.0 - 25.0%

### Key attributes:
- 100% natural
- Moisturizing
- Sprayable
- Customizable

### Available Products:

**• GLB Liplex™ Skin rescue**
**Description:** GLB Liplex™ Skin Rescue is a strong addition to any skin repair system. Rosehip Seed oil’s powerful unsaturated fatty acids are known to fortify not only the skin’s natural defense mechanism, but also its regeneration ability. Schisandra Berries and Amaranth Seeds provide lysine - an essential amino acid crucial to skin protein synthesis - which is known to help potentiate skin repair.

**INCI:** Rosa Moschata Seed Oil, Water, Glycerin, Sucrose Stearate, Amaranthus Hypochondriacus Seed Oil, Schizandra Chinensis Fruit Extract, Salvia Officinalis (Sage) Leaf Extract, Glyceryl Caprylate, Xanthan Gum, Tocopherol

**• GLB Liplex™ Hair & Scalp Health Blend**
**Description:** GLB Liplex™ Hair & Scalp Health Blend targets the various symptoms of damaged hair. Rich in fatty acids and antioxidants, Coconut and Argan oils help to condition hair, revealing a natural and healthy shimmer. Saw Palmetto and Pea Sprout Extracts combat the appearance of thin hair by nourishing hair follicles. GLB Liplex™ Hair & Scalp Health Blend offers a comprehensive tool, valuable to any hair care formulation.

**INCI:** Cocos Nucifera (Coconut) Oil, Water, Glycerin, Sucrose Stearate, Pismum Sativum (Pea) Sprout Extract, Serenoa Serrulata Fruit Extract, Phyllanthus Emblica Fruit Extract, Argania Spinosa Kernel Oil, Glyceryl Caprylate, Xanthan Gum, Tocopherol

**• GLB Liplex™ Omega Complete**
**Description:** GLB Liplex™ Omega Complete provides an abundant natural source of Omega fatty acids by combining Sacha Inchi oil, Pumpkin Seed oil, and Pomegranate Seed oils that supply Omegas 3, 5, 6, 7, and 9. These phyto-based essential fatty acids are reported to reduce inflammatory response as well as boost dermal hydration. GLB Liplex™ Omega Complete can be an essential addition to any skin care formulation designed to normalize and restore lipid levels.

**INCI:** Plukenetia Volubilis Seed Oil, Cucurbita Pepo (Pumpkin) Seed Oil, Water Glycerin, Sucrose Stearate, Hippophae Rhamnoides Extract, Punica Granatum Seed Extract, Glyceryl Caprylate, Xanthan Gum, Tocopherol
GLB Organics
An ever-growing list of botanical extracts based on the following carriers:

Water (preserved with 15% Organic Sugar Cane Alcohol)
Organic Sugar Cane Alcohol (Self-Preserved)
Organic Glycerin (Self-Preserved)
Organic Safflower Oil (High in Oleic Acid)

Contact your local sales representative to discuss organic options.

NOTES
WE OFFER
a wide range of carriers including water, glycerin, glycols, oils and silicones.

STANDARD SAMPLES ARE 2 FL. OZ. (60ml)
Samples are generally shipped within 5 business days.

OUR STANDARD PACK SIZES ARE
5 kg & 18 kg pails and 180 kg drums.

OUR STANDARD PRESERVATIVE SYSTEM IS:
Food grade and Paraben-free. We can, however, honor customer requests for specific preservation systems.

CONTACT INFORMATION
For more information, samples and pricing please contact your local representative.

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Please note this is not a complete list of botanicals available from Green Line. Our staff is constantly sourcing new and sustainable materials from around the world. Please also note that seasonal changes and crop yields may render some material unavailable at the time of a request. Please call ahead to confirm the availability of a particular botanical.