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**NATURAL, NUTRITIONAL SKINCARE, FREE OF TOXINS!**

*The Anti-Aging Supplement Acetyl Glutathione is available...  
treat the skin from within!*

**PRODUCT CATALOG, INFORMATION AND USAGE GUIDE**

**[www.LabNaturalsSKINcare.com](http://www.LabNaturalsSKINcare.com)**

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**STORE HOURS:**

**Tuesday- Friday: 10am - 5:00pm  
Closed Major Holidays**

**OPEN 24/7 ONLINE! [LabNaturalsSKINcare.com](http://LabNaturalsSKINcare.com)**

## **Shipping & Handling Fees:**

Standard shipping (U.S. ONLY) 2-5 business days: \$10.95

Shipping to Canada and the UK is \$39.00. Shipping to any other international destination is \$50.00 and is dependent on and subject to the import regulations of that country.

You will be responsible for any customs charges levied on the package. Additionally, if the package is stopped by customs for any reason, we do not offer refunds

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# ABOUT US

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Most skin care products contain ingredients like preservatives, dyes, and chemicals that have NO VALUE in the beautification of the skin, and may in fact contribute to hormonal or endocrine changes that are responsible for breast cancer. It is no secret that anything applied to the skin can be and almost always is absorbed into the blood stream, and must be handled as a toxic compound. These ingredients do not evaporate after application to the skin. An example of this would be chemical preservatives called parabens. These toxic endocrine disruptors are commonly found in almost all cosmetic products. You will never find toxic ingredients in any LabNaturalsSKINcare product.

LabNaturalsSKINcare was founded by a Pharmacist of 43 years, Susan Merenstein, and is NON-Toxic, Affordable Anti-Aging SKINcare that works! We are the ONLY exclusive company to include Glutathione, the Miracle Molecule, in our Face Rx Peptides plus Glutathione, Eye Treatment with Glutathione, and Glutathione Anti-aging body lotion!

## Skin Care Goals

One of the most important skin care goals is improving the health and thus the appearance of the skin. This is done by improving blood circulation and oxygenation of the skin, maintaining the skin's normal pH, revitalizing the skin cell membranes, connective tissues, and detoxifying and neutralizing toxins found in the skin tissue. LabNaturals produces real, cumulative, beneficial and long-lasting visible results.

## Maintaining Healthy Skin

- Climate control indoors
- Humidifiers to keep air moist
- Limit static electricity – moisturized skin will minimize static shock; walk on carpet without shoes to minimize friction
- Use appropriate moisturizing cleanser
- Avoid antibacterial soaps; they tend to dry out the skin
- Moisturize after bathing/showering
- Keep the body hydrated by drinking 6 – 8 glasses of water daily and limiting caffeine
- Limit long hot showers or baths that drain body of moisture
- Use safe, non-chemical sunscreens with Vitamin C and micronized zinc oxide when in the sun

## CLEANSERS

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### Refreshing Apple Cleanser



**Heaven for dry skin- This is a moisture rich cleanser, that removes impurities and debris without stripping the skin of the natural skin oils. This will not dry out the skin.**

**Usage Instructions:**

Squeeze two to three drops in the palm of damp hands, rub hands to create a lather, then proceed to cleanse your face and neck. Rinse with tepid water.

**Ingredients:**

*Water (Aqua), Decyl Glucoside, Decyl Glucoside Sodium Lauroyl Lactylate, Glycol Distearate, Laureth 14, Cocamidopropyl Betain, D-Beta Fructan, Pyrus Malus (Apple) Fruit Extract.*

## SERUMS

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### Vitamin C 20% Serum with Caffeine



This product is probably the most important skin care product. It not only protects the skin from UV damage, it also is the best anti-aging compound for skin. The increase in collagen and elastin only takes place if Vitamin C is present in the skin!! This excellent anti-aging product is a highly concentrated Vitamin C Serum with proven antioxidant and regenerative properties to help fight and repair signs of aging by building collagen and elastin. The ingredients in the Vitamin C Serum contain active ingredients that provide a direct benefit to the skin, and are not just carriers.

**Usage Instructions:**

Dispense four to ten drops into palm of hand, and pat over face, neck, and décolleté after cleansing and toning. Can also be applied to backs of hands or arms, as these show the earliest signs of aging. Follow with the appropriate moisturizing product.

**Ingredients:**

*Aqua (Water), L- Ascorbic acid 20%, Oryza Sativa (rice) starch, glycerol, caffeine citrate, beta fructan, D-beta glucosamine, amino-guanidine, Ricinus Communis (Castor) Seed Oil, Hamamelis Virginiana (witch Hazel) extract, Phenyl Butyl Nitron.*

## L-Retinol Night Serum



**This is a Vitamin A and glycolic acid complex that gives an energized and synergized antioxidant combination. It is an excellent anti-aging product and a stimulant of new tissue growth.**

### **Usage Instructions:**

Before bed, dispense four to eight drops into palm of hand, and pat over face, neck and décolleté after cleansing and toning. Can also be applied to backs of hands or arms, as these show the earliest signs of aging. Follow with the appropriate moisturizing product.

### **Ingredients:**

*Virginiana Hamamelis (witch hazel) extract, L-Retinol, Phenyl Butyl Nitron, Epithelial growth factor (peptide), Glycolic Acid, Beta glucan, Beta Fructan, Amino guanidine, Ethyl Hydroxide*

## Hyaluronic Acid Hydrating Lotion



**This is a nourishing treatment product and contains 3% hyaluronic acid. It is so moisturizing to the skin it will only be needed once or twice a week after the initial treatment period. It contains the most powerful skin hydrating moisture.**

### **Usage Instructions:**

Dispense two to three pumps into the palm of your hand; pat onto skin until absorbed. Can be mixed with Vitamin C Serum in the morning, or Vitamin A Complex Serum in the evening, or with any other Vital Therapy products to make them more hydrating.

### **Ingredients:**

*Aqua (Water), Vegetable Glycerin, Aloe Barbadensis Leaf Juice, Honey, Phosphatidylserine, Phosphatidylcholine, Sphingosine-1-Phosphate, L-sodium-hyaluronate, Citric Acid, Borago Officinali (Borage) Seed Oil, Silicone, Rosa Moschata Seed Oil, Pyruvic Acid, L-sodium PCA, D-panthenol, LRetinol, Thiamine, Riboflavin, Niacin, Pantothenic Acid, Pyridoxine, Biotin, Folic Acid, Cobalamin, Cholecalciferol, Jasminum Officinale (Jasmine) Oil.*

## Face RX- Peptides plus Glutathione

**LabNaturalsSKIN is the ONLY Skincare Company to have stable Glutathione, the body's Master Antioxidant, in our NEW product Face RX Peptides plus Glutathione!**



**Glutathione** repairs sun damage, protects the DNA from damage due to overexposure to the sun, and lightens dark spots over time, as efficiently as RX Hydroquinone products.

In addition, Glutathione also protects the skin from UV damage, supports nerve tissue, and provides collagen and elastin repair and maintenance. **And most importantly Stable Glutathione increases the length of the \*Telomere (the end caps on the chromosomes) to decrease fine lines and wrinkles and increase blood circulation to the skin! Hydration increases and elasticity increases. \*Glutathione has also demonstrated an ability to regulate telomerase activity in fibroblasts — the cells that produce collagen. This is important because telomerase can lengthen telomeres as a benefit. Glutathione is known as the “Master Antioxidant” because it can recharge other antioxidants, like Vitamin C. Our cells manufacture glutathione, however the quantity declines as we age, leaving us without the amount of glutathione that we need to regulate the telomerase that can slow aging.**

We have seen people's skin go from pasty gray pallor to rosy red!

*It's like moving the skin backward in time!*

The peptide combination in the Face RX Peptides plus Glutathione reduces wrinkles and fine lines and smile lines, and tightens the neck tissue more effectively than any product I have seen- this is due to the ingredients activating skin stem cells.

***I know of no other product that make that claim.***

The **LabNaturals Face RX Trio (Face RX Peptides Plus Glutathione, [Vitamin C Serum](#), and [L-Retinol](#))** is without a doubt the most powerful, rapid and comprehensive skin care ever developed. The combination of unique ingredients, and ZERO toxic compounds, supplies the skin with all of the essential nutrients required to maintain an optimum physiological response.

Our **Vitamin C Serum with Caffeine** is a perfect product to add to the **LabNaturals Face Rx Trio** of skin rejuvenating products. It not only protects the skin from UV damage, and increases the natural SPF of the skin, it also is the best anti-aging compound for skin. This excellent anti-aging product is a highly concentrated Vitamin C Serum with proven antioxidant and regenerative properties to help fight the signs of aging and repair damaged skin by building collagen and elastin.

*The increase in collagen and elastin only takes place if Vitamin C is present in the skin and Glutathione enhances this action!*

Our powerful LabNaturals L-Retinol, vitamin A product, contains 2 powerful ingredients needed for regeneration of new skin cells. These ingredients are found in the correct isomer so they help regenerate new skin cells without thinning of the dermis, which is a side effect of the most popular product, Retinoic acid, which also requires a prescription.

**The combination of these 3 products, mixed in the hand just prior to application; is applied to the neck, face, and upper chest, and can show a difference in the tissues in as little as 24 hours. Even if the protocol is used every 3 days the positive changes in the skin are apparent.**

***Peptide Plus Ingredients:***

*Water (Aqua), Capric/Caprylic Tricerides, Vegetable Glycerin, Aloe Barbadensis Leaf Extract, Honey, Cyclomethicone, Cera Alba (Beeswax), Squalene (Olive), Oil, Dimethicone, L-Retinol, Acetyl Hexapeptide, Ribose, Retinaldehyde, Niacinamide, Thiamine HCl, Riboflavin, Panthenol, Sodium L-Hyaluronate, Palmitoyl Glutathione, Palmitoyl Carnosine, Vaccinium Macrocarpon (Cranberry) Seed Oil, Super Oxide Dismutase, Tocopheryl Acetate (D-Alpha), L-Lactic Acid, Royal Jelly Extract, Hydroxydecyl Ubiquinone, Beta Glucan, Beta Fructan, Amino Guanidine, D-Beta Glucosamine, Sodium PCA, Calendula Officinalis (Flower) Extract, Plumeria Alba (Flower) Extract, Vanilla Planifolia (Oil), Canaga Odorata (Ylang Ylang) Flower Essential Oil, Citrus Medica Limonium (Lemone) Peel Oil, Rosa Damascena (Rose) Petal Oil, Prunus Serotina (Wild Cherry) Extract, Citrus Seed Extract.*

***Vitamin C Ingredients:***

*Aqua (Water), L- Ascorbic acid 20%, Oryza Sativa (rice) starch, glycerol, caffeine citrate, beta fructan, D-beta glucosamine, Ricinus Communis (Castor) Seed Oil, Hamamelis Virginiana (witch Hazel) extract, Phenyl Butyl Nitron (Spin Trap).*

***L-Retinol Ingredients:***

*Hamamelis extract, Vitamin A (L-retinol), phenyl butyl nitron, beta glucan, beta glucosamine, amino guanidine, ethyl hydroxide.*



# EYE CREAM

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## Eye Treatment with Glutathione



The most powerful antioxidant available that both moisturizes and reduces fine eye lines. The active ingredient, glutathione, is the most powerful antioxidant found in the human body. It helps increase blood circulation to the applied area which reduces swelling and dark circles.

### Usage Instructions:

Using your ring finger, gently apply a small amount to the area around the eyes, and the eyelids. Do not tug on the delicate eye tissue. Apply one hour before bedtime or in the am Offer cleansing and toning.

### Ingredients:

*Aqua (Water), Caprylic/Capric Triglyceride, Palmitic Acid, Stearic Acid, Butyrospermum Parkii (Shea Butter), Glycerin, Hesperidin Methyl Chalcone, Palmitoyl Tetrapeptide -7, Dipeptide -2, Glyceryl Stearate, Cetearly Alcohol, Glycerin, Chrysin, Palmitoyl Oligopeptide, N-Hydroxysuccinimide, Olea europae (Olive) Fruit Oil, Prunus Dulcis (Almond) Oil, Glycine Soja (Soybean) Oil, Tocopheryl Acetate ( D-Alpha), albumen, L-retinol, L-penta peptides, Zea mays (Corn) oil, Althaea Officinalis Extract, Citrus Aurantium Dulcis (Orange) Peel Oil, Lavandula Angustifolia (Lavender) Oil, Chamomilla Recutita (Matricaria) Flower Extract, Daucus carota (Carrot Seed) Oil, Rosa Damascena Flower Oil, Aloe Barbadensis Leaf Juice Powder, Acetyl-Glutathione, Acetyl-Carnosine, Melaleuca Alternifolia (Tea Tree) Leaf Oil, Glutathione Palmitate, Carnosine Palmitate, Sodium Hyaluronate(L), Lonicera Caprifolium (Honeysuckle) flower extract, hammamelis, Viginiana (witch hazel) extract, Xantham Gum, Potassium Sorbate, Allantoin, Cetyl Alcohol, alcohol, Denatured, Calcium Gluconate, Gluconolactone.*

## SCRUBS

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### Blueberry Scrub



**A milder scrub than the Raspberry Polishing Scrub. It is less abrasive and can be used more often if needed. This product contains exfoliants and antioxidants like the Blueberry Polishing Scrub in a less abrasive formula.**

**Usage Instructions:**

Apply a thick layer to the skin and wash in a circular motion to activate the exfoliating jojoba beads.

**Ingredients:**

*Aqua (water), Milk caprylic/Capric triglycerides, Jojoba oil, Glycerin (vegetable), Simmondsia Chinensis (Jojoba) Seed Oil (beads), L-lactic acid, L-malic acid, L-salicylic acid, Rubus Idaeus (Raspberry) Fruit Extract Concentrate, Vaccinium Angustifolium (Blueberry) Fruit Extract concentrate, Hamamelis Virginiana (Witch Hazel) extract, Zea Mays (Corn) Kernel Meal, Xanthan gum, D-Glucuronic acid, Jasminum Officinale (Jasmine) Oil, Citrus Paradisi (Grapefruit) Oil, Medica Limonum (Lemon) Peel Oil, Citrus Aurantifolia (Lime) Oil.*

## SUN DAMAGED TREATMENTS AND SUN BLOCK

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### Dark Spot Treatment/Lightener



**This is the most powerful skin lightening agent known, which contains NO Hydroquinone, and thus is 100% non-toxic.**

**Usage Instructions:**

Apply a small amount to dark spots on face and hands at bedtime. Do not apply anything else to these areas until the next day or wait at least 15-20 before applying serums and/or moisturizers.

**Ingredients:**

*Aqua (water), plant cellulose, Ricinus Communis Seed Oil, glutathione palmitate, pyruvic acid, azelaic acid, kojic acid, acetyl D-glucosamine, glycolic acid polymer, lactic acid polymer, L-ascorbic acid, betacarotene, phenyl butyl nitron and Citrus limonum (Lemon) extract.*

## Glutathione 15% Cream



**This is a superior antioxidant treatment cream that will moisturize dry, flaky or damaged skin. It can also be used as ordered by a medical professional.**

**Usage Instructions:**

Apply daily as needed to affected areas.

**Ingredients:**

*Aqua (Water), Calendula Officinalis Flower, Lecithin, Melaleuca Alternifolia (Tea Tree) Leaf, Olea Europaea (Olive) Fruit Oil, Daucus carota (Carrot Seed), Triticum Vulgare (Wheat) Germ, Chlorophyll, Royal gelee, Arnica montana (Flower) Extract, Ginkgo Biloba Leaf Extract, Acetyl-Glutathione, Glutathione Palmitate, Aloe Barbadensis Leaf Juice, Gallium, Plumeria Acutifolia (Flower) Extract, L-Retinol, Cholecalciferol, Alpha-Tocopherol, Linoleic Acid.*

## Glutathione Anti-Aging Lotion

### THE PERFECT ANTI-AGING BODY LOTION!

It's like Face Rx for the body!

You need patience and consistent use to get anti-aging effects on the skin.



A blend of natural fixed essential oil, combined with the micro-nutrients found in Aloe Vera, and herbal essential oils, hyaluronic acid and the master anti-aging compound: glutathione; makes a perfect anti-aging body lotion.

This body lotion is more expensive than that found in grocery stores so the glutathione makes it more valuable so you can talk about telomere length increase or antioxidant etc. use in cellulite or stretch marks.

#### Usage Instructions:

Apply 2-3 pumps to clean face, neck, and upper chest in the morning, may repeat at night. May be combined in the hand just prior to application with **Vitamin C 20% Skin Serum in AM** and/or **L-Retinol Serum in PM**.

#### Ingredients:

*Aqua (Water), Milk Caprylate, Caprate, Milk Caprylic/Capric Triglycerides, Glycerin, Glycerol Stearate, Peg-100 Stearate, Cetyl Alcohol, Olea Europea (Olive) Fruit Oil, Cocos Nucifera (Coconut) Oil, Aloe Vera (Leaf) Aloe Barbadensis Extract, Prunus Amygdalus Dulcis Oil (Sweet Almond Oil), Carthamus Tinctorius Seed Oil (Safflower Oil), Rosa Canina Seed Oil (Rosehip Oil), Butyrospermum Parkii Butter (Shea Butter), Ricinus Communis (Castor) Seed Oil, Cetearyl alcohol, Alpha-Tocopherol, Hyaluronic Acid, Palmitoyl Glutathione, Lavender Extracts, D-Beta-Glucosamine, Beta Fructan, Lavendar Essential Oil, Rosa Centifolia Flower Oil (Rose Oil).*

## TRY ME SET

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The TRY ME SET protocol is without a doubt the most powerful, rapid and comprehensive skin care ever developed, and contains trial sizes of our 4 most popular products.

The combination of unique ingredients, and no toxic compounds, supplies the skin with all of the essential nutrients required to maintain an optimum physiological response.

The combination of these 4 products, mixed in the hand just prior to application; are applied to the neck, face, and upper chest, and can show a difference in the tissues in as little as 24 hours. Even if the protocol was used every 3 days the positive changes in the skin are apparent.



### 1. Face RX Peptides Plus Glutathione

*New! It's like moving the skin backward in time!*

Face RX Peptides Plus Glutathione combination reduces wrinkles, fine lines, smile lines, and tightens the neck tissue more effectively than any product that we have seen. This is due to the ingredients activating skin stem cells, and I know of no other products that make that claim.

- Glutathione repairs, protects the DNA from damage.
- Glutathione protects the skin from UV damage, supports nerve tissue, and provides collagen.
- Lightens dark spots over time.
- Decrease fine lines and wrinkles and increase blood circulation to the skin! Hydration increases and elasticity increases!

## 2. Vitamin C 20% Skin Serum

*The best anti-aging compound for skin!*

- Highly concentrated Vitamin C Serum.
- Help restore collagen and elastin.
- Caffeine is added to firm skin, together reducing the signs of aging.
- Great antioxidant for the hair.

## 3. Hyaluronic Acid Hydrating Lotion

*Boost hydration!*

- Making skin appear youthful.
- Firm and protecting cells from premature aging.

## 4. L-Retinol Night Serum

*A potent, natural, non-irritating form of Vitamin A and L-Retinol to stimulate skin cell renewal!*

Improvements in:

- Skin texture
- Hydration levels
- Tone and Age spots

## TREATMENT PROTOCOLS

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### Anti-Aging Protocol:

After cleansing, the Vitamin C 20% with Caffeine product is applied. It usually requires 10 to 20 drops to cover the face and neck. Let this product soak into the skin for a few minutes, then massage the remainder of the product into the skin.

Moisturize with LabNaturals Face Rx with Glutathione, sunscreen and makeup can then be applied over the Vitamin C 20% skin serum.

More Vital Therapy Peptide may be applied during the day on top of makeup, if required.

Before bedtime, the Vitamin A complex is applied to the face and throat after cleansing. Applying the Vitamin A, using 10-20 drops, massage into the skin and let dry before applying Vital Therapy Peptide or moisturizer.

You may also apply the Vitamin C, Vitamin A and your favorite Peptide mixed together to the top of hands and fingers so slow the signs of aging.



## SKIN LIGHTENING AND GLUTATHIONE

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### Glutathione can whiten skin because of the following reasons

- Glutathione inhibits the formation of melanin. This is through stopping the chemical L-DOPA's ability to interact with tyrosinase, an enzyme used in melanin production.
- It inhibits the actual production of melanin by interrupting L-DOPA function



- Glutathione stops the enzyme tyrosinase by binding with copper within the enzyme's active site
- It stops the formation of peroxides and free radicals, which activate tyrosinase and lead to the formation of melanin



[www.GlutathionePharmacist.com](http://www.GlutathionePharmacist.com)

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## ACETYL-GLUTATHIONE, THE MIRACLE MOLECULE

### The Miracle Molecule

Recent statistics have good news for us. Centenarians are the fastest growing age group in America. What's the secret to a long and healthy life? And, what can you do right now to ensure you will one day take your place in the ranks of vibrant 100 year olds?

The answer can very well be found in the presence of a small but potent molecule made in every cell of your body called glutathione. While glutathione may not have the same notoriety as other more high profile nutrients such as vitamins C and E, it certainly is a miracle molecule.

Glutathione levels of 41 centenarians between the ages of 100-105 years old were compared with people between 60-79 years old. They found that the mean glutathione activity was significantly higher in centenarians than in the group of younger elderly subjects, and that centenarians with the best functional capacity tended to have the highest glutathione activity. The study concluded that high glutathione levels are associated with increased survival. In a later study, glutathione levels were evaluated in 87 women in excellent physical and mental health ranging in age from 60-103. The scientist found that all women had very high blood glutathione levels. They followed these women for five years, and concluded "high blood glutathione concentrations.... are characteristic of long-lived women.

### The Life-Extending Master Antioxidant

Glutathione (GSH) is a tripeptide molecule composed of three amino acids: glutamic acid, cysteine and glycine. It is one of the main non-protein antioxidants that exists within each cell, and has been referred to as the body's "master antioxidant." It rules the body's cells and is abundant in cytoplasm, nuclei and the mitochondria.

Although discovered in 1888, the initial research on glutathione deficiency was conducted in the 1920's and the 1930's and concentrated on the eye, particularly the lens. It is well known that macular degeneration is related to low levels of glutathione. By the 1980's, researchers realized that glutathione was a major player in all aspects of good health and disease prevention.

Without adequate glutathione levels, each cell would eventually disintegrate from massive free radicals damage, your body would have little resistance to metabolic waste products, and your liver would be severely compromised from the eventual accumulation of toxins. Our cells would also be defenseless against the many bacteria, viruses and many of the carcinogens that pose a health threat. For the past three decades, researchers have been investigating the role of antioxidants for the maintenance of good health as well as for the prevention and treatment of oxidative stress-induced diseases.

While the better known antioxidants such as vitamin A, vitamin E and selenium must be obtained from the diet. Glutathione, however, is considered the master antioxidant because all other antioxidants depend upon the presence of glutathione to function properly. For example, it is essential in regenerating oxidized forms of vitamins C and E by re-circulating them back into antioxidant function. Normally once these antioxidant vitamins scavenge free radicals, they can become oxidized themselves and attack the healthy cells. This is known as peroxidation. Glutathione easily restores them to their reduced form so they can resume the free radical scavenging activity again. When the glutathione systems are functioning effectively, the use of antioxidants maximizes their effectiveness in the treatment and prevention of degenerative diseases associated with oxidative stress. This includes arthritis, cancer, cardiovascular diseases, diabetes and macular degeneration.

Glutathione performs important jobs in the body which includes protecting cells against the destructive effects of free radicals; detoxifying external substances such as drugs, environmental pollutants and carcinogens; maintaining cell membrane stability; regulating protein and DNA biosynthesis and cell growth; enhancing immunologic function through its influence on lymphocytes; prostaglandin synthesis; and amino acid transport.

Since it is involved in so many critical functions, glutathione impacts all level of the body's physiological functioning. It is believed that glutathione has the potential to treat and prevent hundreds of diseases. When you consider the role glutathione plays in the basic wellness of cells, the primary living building blocks in our body, you can appreciate why maintaining glutathione levels is critical for optimal well-being.

## Essential Support of Immunity and Detoxification

In addition to its role as a powerful antioxidant, glutathione also serves as an immune system enhancer and a detoxifier. As an immune system enhancer, glutathione is needed for the proper functioning, and in particular the creation and maintenance, of T cells lymphocytes, the body's front line defense against infection. Glutathione plays a central role in the proper function of the white blood cells. Dr. Gustavo Bounous, a leading Canadian glutathione expert, researcher and author, says, "The limiting factor in the proper activity of our lymphocytes (the white blood cells) is the availability of glutathione. The healthy growth and activity of the white blood cells depends upon high levels of intracellular glutathione."

In people with immune deficiency, glutathione levels fall well below the normal levels in blood and immune cells. Restoring glutathione levels to those found in healthy people has benefited immune deficient patients. Studies have suggested that an increase in the glutathione level in the body can help patients with HIV (AIDS) to improve their survival.

In a toxic world, survival literally depends on the body's ability to adequately detoxify the tens of thousands of chemicals that are inhaled, ingested, and absorbed into the body. Glutathione also comes to our rescue as a major detoxifier. The level of glutathione in the liver is critically linked to the liver's capacity to detoxify. This means the higher the glutathione content, the greater the liver's capacity to detoxify harmful chemicals. Glutathione is able to bind to organic toxins, as well as heavy metals, solvents and pesticides, and transform them into a form that can be excreted in urine or bile.

## Glutathione's Role in Cancer Prevention

Columbia University School of Public Health, estimated that 95% of cancer is caused by diet and environmental toxicity. It is evident that in order to prevent cancer, it is imperative to protect the body from this onslaught of toxins. Dr. Dean Jones Ph.D., professor of biochemistry, Director of Nutritional Health Sciences at Emory University and a recognized expert on glutathione states, "The role of glutathione that has probably received the most attention in the past 50 years is the function of glutathione as an anti-carcinogen. Glutathione is used to counter reactive chemicals that would otherwise cause mutations in the DNA and cause cancer. A little over 50 years ago it was recognized that many chemicals we are exposed to are activated in the body to reactive chemicals, the most

central way the body gets rid of these is by reacting these with glutathione. Glutathione is the most anti-carcinogenic chemical we have in our body. Most people do not inherit “cancer genes” rather; they have a genetic weakness in their detoxification system. Glutathione is an extremely important part of the detoxification system, and thus of our defenses against cancer.

## The Miracle Molecule

Over 80,000 published studies have shown the glutathione has a profound effect on a multitude of health challenges. As a powerful free radical scavenger, immune enhancer and detoxifier, glutathione has shown to be effective in the following conditions; autism, cardiovascular disease, autoimmune diseases, asthma, diabetes, lung disease, Parkinson’s disease, gastrointestinal inflammation and Crohn’s disease, hepatitis, chronic fatigue syndrome, neurodegenerative diseases such as MS (multiple sclerosis), ALS (Lou Gehrig’s Disease), Alzheimer’s and Parkinson’s and degenerative eye conditions such as cataracts and macular degeneration.

Medical science is still ascertaining all the critical roles played by glutathione in disease resistance and general good health. Clinical evidence links low glutathione levels to the most common illnesses of our time as well as newly emerging diseases. Staying healthy as well as recovering one’s health requires maintaining high levels of glutathione. The older we get the more our levels of glutathione decline, especially after the age of 45. Therefore, shoring up your glutathione reserves is crucial.

Who needs to increase glutathione levels? If you have been diagnosed with a chronic illness, are in pain, have autism, are under stress, have digestive problems, have a weakened immune system, eat a lot of processed foods, engage in strenuous exercise, are overweight and feel fatigued, glutathione will be a real boost to your wellbeing. And if you are committed to staying healthy and energetic, then a successful anti-aging program necessitates maintaining high glutathione levels.

## Our Products containing Acetyl-Glutathione:

### Acetyl-Glutathione 300mg



## Face RX Peptides + Glutathione



## Eye Treatment w/Glutathione 0.5oz



## Glutathione Anti-Aging Lotion



# INGREDIENTS AND USE GLOSSARY

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## A

**Acetyl-Carnosine** - A naturally occurring compound chemically related to the dipeptide carnosine. Increases mitochondria in cells. Particularly active against lipid peroxidation.

**Acetyl Glutathione** - Glutathione is a potent antioxidant, and its depletion is a component of every chronic disease, or inflammatory condition, including aging. A tri-peptide that contains an unusual peptide linkage between the amine group of cysteine and the carboxyl group of the glutamate side-chain. It is an antioxidant, preventing damage to important cellular components caused by reactive oxygen species such as free radicals and peroxides.

**Albumin/Albumen** - Refers generally to any protein that is water soluble. It is primarily used in skin care for its binding properties.

**Alcohol Denat** - Denatured alcohol is used as a solvent.

**Aleurites Moluccana Seed Oil** - When used in cosmetics and personal care products, it functions as a skin-conditioning agent-miscellaneous and a skin-conditioning agent -occlusive.

**Allantoin** - A moisturizing and keratolytic, meaning that it causes keratin in the skin to soften. This property helps skin to heal more quickly and to bind moisture more effectively.

**Aloe Vera** - Widely used in the cosmetics and alternative medicine industries. It has various rejuvenating, healing or soothing properties.

**Alpha Lipoic Acid** - A antioxidant that is made by the body and is found in every cell, where it helps turn glucose into energy. Antioxidants attack "free radicals" and waste products created when the body turns food into energy.

**Althea Officinalis (Marshmallow) Root Extract** - The mucilaginous extract of the roots of the Marshmallow attracts water and functions as a skin humectant. It is used to soothe and soften the skin while promoting flexibility of the stratum corneum.

**Amino-Guanidine** - Similar to D-Beta Glucosamine, this is an anti-inflammatory agent and a building block to collagen and elastin. The D-Beta isomer is the only isomer that the human body can utilize for this function. It works in combination with beta fructan to build stable mucopolysaccharides in the tissue.

**Apple Extract** - A natural fragrance and antioxidant also containing the moisturizing Malic Acid.

**Aqua-Lanosterol** - A tetracyclic triterpenoid, which is the compound from which all steroids are derived.

**Arnica** - Applied to the skin as a cream, ointment, liniment, salve or tincture, arnica has been used to soothe muscle aches, reduce inflammation and heal wounds. It is commonly used for injuries such as sprains and bruises.

**Ascorbic Acid 20%** - Also known as Vitamin C, this is a well documented antioxidant for the skin and is the main ingredient in Vitamin C Serum product. It is well known that L-Ascorbic Acid is required for normal skin physiology (in smaller quantities). In larger concentrations it is restorative to skin damaged by sun exposure, smoking and/or improper nutrition (i.e. eating large quantities of sugar). This concentration also acts as a preservative for the product and is commonly used in food preservation. The L form is the only form that can be utilized in the formation with L-Amino Acids into collagen and elastin.

**Astaxanthin** - A carotenoid. It is an antioxidant with a slightly lower antioxidant activity in some model systems than other carotenoids.

**Azelaic Acid** - This saturated dicarboxylic acid exists as a white powder. It is found in wheat, rye, and barley. In plants, azelaic acid serves as a "distress flare" involved in defense responses after infection. Azelic Acid is used to treat mild to moderate acne. It works in part by stopping the growth of skin bacteria that can help cause acne. Azelaic Acid also helps to lessen acne by keeping skin pores (tiny openings on the skin's surface) clear.

**Azurite** - A soft, deep blue copper mineral produced by weathering of copper ore deposits.

## B

**B Complex Vitamins** - B vitamins are a group of water-soluble vitamins that play important roles in cell metabolism. B vitamins include; B1 (thiamine), B2 (riboflavin), B3 (niacin or niacinamide), B5 (pantothenic acid), B6 (pyridoxine, pyridoxal, or pyridoxamine, or pyridoxine hydrochloride), B7 (biotin), B9 (folic acid) and B12 (various cobalamins; commonly cyanocobalamin in vitamin supplements).

**Beeswax** - From virgin bees, a non-toxic emollient and emulsifier.

**Behenalkonium** - An excellent conditioning and anti-static agent. It smoothes the hair follicle to give it a shiny appearance. It's frequently used in shampoos and conditioners to improve the hair's body and manageability. It also functions as a surfactant, and is commonly used in shaving creams and liquid soap.

**Behenyl Alcohol** - An emulsifier that also keeps the oil and liquid parts of a solution from separating. Its other functions include altering the thickness of a liquid, increasing foaming capacity, and stabilizing foams.

**Bellis Perennis** - A common European species of daisy, of the Asteraceae family, often considered the archetypal species of that name. It is used in homeopathic medicine as a treatment for wounds and after certain surgical procedures.

**Beta Carotene** - A powerful antioxidant which when split by the body forms two L-Retinol molecules.

**Beta-Fructan** - A polysaccharide found in mushroom extracts and is documented in Japanese studies to improve and stimulate immune functions of the skin (and entire body). This is a righthanded polymer (similar to aloe vera polysaccharides) that guides the activity of glucosamine into the cellular compartments that oversee the skin's moisture retention.

**Beta-Glucan** - Mushroom derived polysaccharide that enhances immune function (see Beta Fructan).

**Beta-Glucosamine** - Similar in structure to cellulose in humans, it is used in combination with Beta Fructan to build stable mucopolysaccharides in the tissue. It is an anti-inflammatory agent and a building block to collagen and elastin. The D-Beta isomer is the only isomer that the human body can utilize for this function. It works.

**Blue Cornmeal** - A meal (course flour) ground from dried maize. It is used as an exfoliant.

**Borage Oil** - Made from a wildflower (*borago officinalis*) commonly called the "starflower". Used as an anti-inflammatory agent as well as for certain other skin conditions. It has one of the highest amounts of Gamma-Linolenic Acid (omega-6) of seed oils. It is considered to be soothing, regenerative and beneficial to all skin types.

## C

**Calcium Gluconate** - A mineral supplement. Improves skin moisture content and reinforces the cutaneous barrier. Helps to revitalize and restructure the skin.

**Caprillic/Capric Triglycerides** - Proven, non-toxic emollient which prevents the loss of water from the skin. This is anti-fungal and is derived from milk and butter fat. They condition the glycol-proteins that connect epidermal cells and improve the permeability barrier of the stratum corneum. See Milk Caprillic/Capric Triglycerides.

**Caprylate/Caprates** - Primarily used in cosmetics as an emollient and emulsifier for formulations. It is an ester of coconut fatty alcohol, caprylic acid and capric acid. It improves the glide of many varieties of products during application and leaves a non-greasy, soft after touch.

**Carnosine Palmitate** - Increases cell mitochondria.

**Cassia Betaglycan** - Derived from Cassia bark. Left-handed, D-catechin, boosts immunity; betaglycan calms skin during immune reactions.

**Castor Oil** - A vegetable oil obtained from the castor bean. Castor isostearate succinate is a polymeric mixture of esters with isostearic acid and succinic acid used for skin conditioning, such as in shampoo, lipstick and lip balm. Ricinoleic acid is the main component of castor oil, and it exerts anti-inflammatory effects.

**Cetearyl Alcohol** - An alcohol of a fatty acid found in egg yolks which suppresses peroxidation of epidermal lipids. It is a non-toxic emulsifier.

**Cetearyl Olivates** - A nonionic emulsifier that helps blend ingredients together in cosmetic solutions, usually ones with moisturizing properties. It helps soften the skin and hair, and gives products a smooth and luxurious feel.

**Cetyl Alcohol** - An emollient and emulsion stabilizer with low toxicity and does not promote acne.

**Cherry Puree/Wild Cherry Bark Extract** - These are soothing antioxidants.

**China** - An ancient herb with several antioxidants and energetic qualities.

**Chlorophyll** - A green pigment found in cyanobacteria and the chloroplasts of algae and plants. It acts as an antioxidant.

**Chrysin** - A naturally occurring flavone chemically extracted from the blue passion flower (*Passiflora caerulea*). Advertised as an aromatase inhibitor supplement by bodybuilders and athletes. It has been shown to induce anti-inflammatory effects, most likely by inhibition of COX-2 expression and via IL-6 signaling.

**Citric Acid** - A beta hydroxy acid (BHA) that softens the skin and is an essential contributor to the formation of L-ATP, the body's most important source of energy. It is found in all fruit.

**Cyclotetrasiloxane (or Clotetrasiloxane)/Decamethylcyclopentasiloxane** - A silicone polymer commonly used in cosmetics and skin care products to keep ingredients in the skin for a longer period of time.

**Cocamidopropyl Betain** - An amine found naturally in coconut milk, combined with a glucosamine-like substance. It allows for foaming action and is a source for collagen building glucosamine. It also maintains the elasticity of the skin.

**Coconut Amino Acids** - an Assistant to the lathering effect. Cranberry Extract - A antioxidant.

**Cyclomethicone/Dimethicone Copolyol and Silicone** - Increases the lining of hyaluronic acid and other mucopolysaccharides to protein in connective tissue and skin. Silicon is increasingly recognized as important in wound healing, anti-aging and maybe acne control.

**Cyclopentasiloxane** - A silicone polymer, allowing the active ingredient to remain longer.

**D2O (Heavy Water)** - Formally called deuterium oxide. It is a form of water that contains the hydrogen isotope deuterium rather than the common protium isotope. This difference increases the strength of water's hydrogen-oxygen bonds, and this in turn is enough to cause differences that are important to some biochemical reactions. The human body naturally contains deuterium equivalent to five grams of heavy water.

**D-Beta Fructan** - See Beta Fructan.

**D-Beta Glucosamine** - See Beta Glucosamine.

**Denatured Alcohol** – Ethyl alcohol for topical application.

**Depeptide-2** - A dipeptide consisting of the standard amino acids valine and tryptophan. It mainly works as a skin conditioning agent. It's also believed to improve lymphatic circulation, and for this reason is often used in eye creams aiming to combat dark and puffy under-eye circles. Many cosmetic manufacturers market it as clinically proven to reduce under-eye bagginess and puffiness, however, it's difficult to find any (and unbiased) "clinical" data supporting such claims.

**D-Glucuronic Acid** - Chiral D-Glucuronic Acid is the most basic building block of hyaluronic acid and chondroitin sulfate and precursor of Vitamin C, the chief detoxifying agent in both plants and animals. Hyper-efficient skin moisturizer direct from Nature.

**Diethanolamine** - Often abbreviated DEA. It is used as a surfactant.

**DMAE** - Also known as "dimethylaminoethanol" and "dimethylethanolamine". It is a natural compound sometimes used as an ingredient in skin-care products. Also sold in dietary supplement form, DMAE is essential to the production of acetylcholine (a type of chemical that helps nerve cells to transmit signals).

**D-Panthenol** - Used in cosmetics, panthenol is a humectant, emollient and moisturizer. Also known as Vitamin B5.

## E

**Epithelial Growth Factor** - Derived from plants, EGF results in cellular proliferation. Ergothioneine - A naturally occurring amino acid and is a thiourea derivative of histidine, containing a sulfur atom in the imidazole ring. This amino acid has antioxidant properties, but its chemistry differs from conventional sulfur-containing antioxidants such as glutathione or lipoic acid. It conserves and maintains the levels of other antioxidants such as Vitamin E, Vitamin C and glutathione.

**Essential Oils** - Uses aromatherapy principals. Anti-fungal, anti-bacterial and anti-viral.

**Ethyl Hydroxide** - A form of ethyl alcohol used solvent in the Vitamin A/Glycolic Complex in a very small amount that will not dry the skin.

**Ethyl Macadamiate** - Well suited for increasing sunscreen coverage. It is a promising alternative to cyclomethicone and dimethicone as a skin feel modifier where botanical, nonvolatile and/or lipid-soluble substance is preferred.

## F

**Foraha Oil** - A remarkable topical healing agent with skin healing, anti-neurologic, anti-inflammatory, antimicrobial, antibiotic and antioxidant properties. The healing capabilities has been thoroughly researched. The evidence on its ability to heal damaged skin is both compelling and astounding.

## G



**Galium** - A detoxifier that is used in a wide range of problems involving the lymph system, such as swollen glands.

**Ginkgo** - Ginkgo extract may have three effects on the human body: improvement in blood flow (including microcirculation in small capillaries) to most tissues and organs, protection against oxidative cell damage from free radicals, and blockage of many of the effects of platelet activating factors.

**Gluconolactone** - An antioxidant acid (PHA) that is capable of chelating metals.

**Glutathione Palmitate** – A topical glutathione pro-moetion – a truly anti-aging nutrient.

**Glycerin** - Steam distilled from sugar fermentation. Improves the mobility of the right-handed ingredients through the dead stratum corneum.

**Glycerol** - Glycerin is an emollient that moisturizes the skin. It also enhances the mobility of right-handed ingredients to penetrate the dead stratum corneum.

**Glyceryl Distearate** - Improves the mobility of the D (right-handed) ingredients to penetrate the stratum corneum.

**Glyceryl Isotearate** - Used as an emollient and thickening agent in cosmetics.

**Glyceryl Stearate** - A non-toxic emulsifier.

**Glycolic Acid Polymer** – An exfoliant to soften the skin that breaks down slowly in tissues.

**Green Papaya** - A rich source of nutrients such as provitamin A carotenoids, Vitamin C, B Vitamins, lycopene, dietary minerals and dietary fiber.

**Green Tea Extract** - A herbal derivative from green tea leaves containing antioxidant ingredients. Green tea extract is twenty times more antioxidant-active than Vitamin C.

## H

**Hamamelis Extract** - An antioxidant extract that contains the powerful antioxidants LEpigallocatechin (also found in green tea extract), D-Gallocatechin and D-Hamamelose which remove free radical damage and has a calming effect.

**Hazel Nut Extract** - Hazelnuts are rich in protein and unsaturated fat. They contain significant amounts of thiamine and Vitamin B6.

**Honey** - Honey contains tiny amounts of several compounds thought to function as antioxidants.

**Hordeum Disticon (Barley) Extract** – Anti-aging active ingredient that protects skin against free radicals.

**Hyaluronic Acid** - A major component of skin, where it is involved in tissue repair.

**Hydroquinone** – A bleaching agent.

**Idebenone** - An antioxidant similar to coenzyme Q-10.

## J

**Jasimine Extract (Jasminol)** - Aromatic alcohol from the jasmine (branch of the olive family) that is a powerful pheromone; discourages formation of bacteria and other micro-organisms. A natural preservative.

**Jajoba Beads** - Small beads used to exfoliate the skin. Commonly used in cosmetic formulations due to its remarkable similarity to the natural oils produced by the human skin.

## K

**Kaolin** - A white clay also known as China Clay. It serves as a thickener and a base in mask products. Additionally it helps remove debris, absorb oils and reduces shine on skin.

**Kojic Acid** - Used in cosmetics to lighten skin. It has antibacterial and antifungal properties.

## L

**Lactobacillus Ferment** - A proteolytic fraction that releases proteases (enzymes that breakdown proteins). The proteases are then used in cosmetics for gentle skin exfoliation and reduction of fine lines and wrinkles.

**L-Ascorbic Acid 20%** - Antioxidant for the skin. It is required for normal skin physiology (in smaller quantities) and in larger concentrations it is restorative to skin damaged by sun exposure, smoking, or improper nutrition (large quantities of sugar). It also acts as a preservative for the product and is commonly used in food preservation. The L form is the only form that can be utilized in formation with L-Amino Acids into collagen and elastin.

**Laurel Berry** - A mild surfactant derived from milk fatty acids and laurel leaf.

**Laureth 14** - A mild detergent found to be non-toxic.

**L-Castor Oil** - A natural oil that improves the slide (texture) of the skin; it is emollient and improves the absorption of active ingredients.

**Lecithin** - A plant phospholipid derived from soybeans. It acts as a natural emulsifier in creams and lotions as well as a soothing and moisturizing agent on the skin.

**L-Hyaluronate** – A powerful moisturizer and connective tissue builder.

**Linseed Extract** - Also known as common flax. One of the main components of flax is lignan, which has plant estrogen as well as antioxidants. A skin conditioning agent.

**L-Lactic Acid** - Derived from yogurt, this AHA finishes protein-softening and cell turnover with its left-hand orientation.

**L-Limonene** - A natural fragrance that acts as an antiseptic.

**L-Malic Acid** - Derived from green apples, it increases cell turnover and increases skin softening.

**L-Mandelic Acid** - Derived from almonds, it is a powerful antioxidant.

**L-Menthol** - Used as a fragrance. It is also known for its refreshing, cooling, bactericidal and anti-inflammatory properties.

**L-Retinol** - See Vitamin A.

**L-Salicylic Acid** – An exfoliant and antibacterial.

**L-Sodium PCA** - A important chiral component of human plasma and skin; derived from molasses. It is a highly effective moisturizer.

**L-Sodium-Hyaluronate** - A chiral hyaluronic; from polymerized plant D-Glucuronic. Improves cellular ability to hold moisture; expands tissue allowing more cells to migrate into the additional spaces between collagen fibers. It helps skin 'plump' to correct wrinkles and fill depressed surface scars.

**L-Tartaric Acid** - Derived from grapes, it increases cell turnover and increases skin softening.

**Lycopene** - Derived from tomatoes, it is a powerful antioxidant.

**Lysolecithin** - A component of cell membranes.

**Lysophosphatidic Acid** - A phospholipid derivative that can act as a signaling molecule.

## M

**Macadamia Ternifolia Seed Oil** - Moisturizes and protects the skin. Used as an emollient.

**Malic Acid** - An AHA found in berries, it promotes better circulation and healthier capillaries in skin.

**Mango Extract** - Aromatherapy.

**Methosulfate** - Used in shampoos and conditioners to moisturize and condition the hair to the roots. A very mild yet effective ingredient known for its de-tangling and hair thickening properties.

**Methyglycine** - A derivative of the amino acid glycine. It can be found in beans and liver. A mitochondrial enhancement.

**Methylated Karate** - Derived from shea butter, it is an emollient.

**Milk Caprylic/Capric Triglycerides and Milk Caprylate/Caprates Triglycerides** - Found in dairy butter and milk, they are fatty acids that are anti-fungal. They condition (soften) the glycoproteins of the skin; they moisturize the skin and improve the permeability barrier of the stratum corneum.

**Mint** - Used as a fragrance. Also has antioxidant properties.

## N

**N-Hydroxysuccinimide** - Used in beauty products as an ester. Activates the elimination of blood originated pigments responsible for dark color and inflammation that causes under eye circles.

**Niacinamide** – A Vitamin B3 derivative.

## O

**Olive Oil** - Contains a wide variety of valuable antioxidants that are not found in other oils. Rich in oleic and palmitic acids, along with squalene and sterols, this nutrient emollient helps to condition and nourish the skin.

**Omega 3, 6, and 9 Oils** - Fatty acids that are important for all systems of the body to function normally, including your skin, respiratory system, circulatory system, brain and organs.

**Onion Extract** - Proposed as a means of reducing scars.

## P

**Palm Glycerides** - The fatty acid component of palm oil. Contains antioxidants and repairing ingredients. Used as an emollient.

**Palmitoyl** - Used in beauty products to suppress the production of excess interleukins, the chemical messengers which trigger the body's acute inflammatory response.

**Palmitoyl Oligopeptide** - Stimulates collagen production and encourages the production of intercellular matrix substances such as hyaluronic acids.

**PEG-100** - An emollient, emulsifier and moisturizer. Helps water mix with oil and dirt on the skin and hair so that they can be rinsed away.

**PEG-150** - A non-toxic emulsifier.

**Pentapeptides** - Bioactive five-chain amino acids that reduce inflammation, relax muscles, and thus reduce fine lines and wrinkles.

**Phellodendron Amurense Bark Extract** - Applied to the skin for psoriasis, to kill germs and to reduce redness and swelling. Its main biological activities are anti-microbial, anti-inflammatory and sebum regulation.

**Phenyl Butyl Nitron** - See spin trap.

**Phosphatidylcholine** - A component of all cell membranes.

**Phospholipids** - A type of lipid (fat) composed of glycerol, fatty acids and phosphate. Phospholipids are essential to the function of cell membranes. Used as a natural emulsifier or for encapsulation of sensitive benefit agents.

**Pineapple Enzymes** - Also known as papain, this is a powerful enzyme that exfoliates the skin.

**Plant Cellulose** - Used as a skin emollient and/or texture that helps foaming action.

**Plant Polysaccharides** - Sugar polymers from flax; enhances immune function of the skin; thickens the emulsion and are emollient to the skin.

**Polyglucose** - A glucose polymer and moisturizer.

**Poly-Sorbate 80** - A non-toxic, non-comedogenic emulsifier.

**Pomegranate** - A powerful antioxidant.

**Porphyra Umbilicalis (Red Algae) Extract** - Skin conditioning agent.

**Potassium Cetyl Phosphate** - A surfactant and emulsifying agent used as a cleansing agent.

**Potassium Sorbate** - A wide spectrum anti-microbial, Potassium Sorbate is intended for inhibition of common microorganisms such as mold, yeast and bacteria.

**Pyruvic Acid** - A key intersection in several metabolic pathways. Pyruvic acid supplies energy to living cells through the citric acid cycle when oxygen is present.

## R

**Raspberry Extract** - Aromatherapy.

**Red Grape Seed** - A powerful antioxidant.

**Red Wine** - A powerful antioxidant.

**Rice Starch** - Is soothing to the skin and has anti-inflammatory properties.

**Rose Hip Seed Oil** - Extracted from the seeds of a rose bush, it is unique among vegetable oils in containing retinol (Vitamin A) and is also high in Vitamin C. It is used to heal scarring and to diminish photo-aging.

**Royal Gelee** - Contains B-complex vitamins and trace minerals, along with some enzymes, antibacterial and antibiotic components.

## S

**Safflower Oil** - Helps maintain elasticity and is especially beneficial to sensitive and dry skin.

**Salicylic Acid** - A BHA commonly found in aspirin, it clarifies and exfoliates the skin. It has anti-inflammatory properties.

**Saponins** - The non-sugar part of saponins have a direct antioxidant activity, which may result in other benefits such as reduced risk of cancer and heart disease.

**Shatroles** – A mushroom extract with immune system stimulants.

**Shea Butter** - From the Karite tree, it contains L-Phytosterols and D-Alpha Tocopherol (Vitamin E) to prevent lipid peroxidation in the epidermis. It is a natural decongestant.

**Silicone** - Important in wound healing, aging and maybe acne control. (Silicones in Vital Therapy Skincare (Silicone is a trace mineral naturally found in plants and animals and is required for physiological functions of the connective tissue. Silicone developed a bad reputation when breast implants leaked over time ;a liquid silicone ( which was also contaminated with impurities) found its way into the body cavities and caused an autoimmune reaction, in those patients ;which caused serious medical problems. The silicones used in Vital Therapy Skin Care are large polymers and cannot pass into dermis of the skin but lays on top of the epidermis and regulates the flow of nutrients into the dermis. The silicone layer is removed when cleansing- even if a molecule or two broke off the large polymer and did enter the dermis it would be used as a trace mineral as indicated above. There is not one single study showing that topical silicone polymers are toxic : all the bad reports are concerning the silicone in the breast implants . In 30 years of producing our skin care we have no reports of health problems associated with our products and in fact we have customers that have used our skin care for 30 years!!! And continue to do so)

**Sodium Chloride** - A crystalline solid, normally obtained from sea water or rock deposits. It is commonly used in surfactant systems to adjust viscosity or enhance preservation.

**Sodium Hydroxide** - A inorganic compound used to control the pH levels or serve as a buffering agent in cosmetics and personal care products.

**Sodium Hydroxymethylglycinate** - A naturally derived sugar-based surfactant. Due to its natural origin, this surfactant is very gentle and readily biodegradable.

**Sodium Hydroxypropylsulfonate** - Used as a cleanser and for skin conditioning. It is also an emulsifier.

**Sodium Lactate** - Acts as a preservative and acidity regulator.

**Sodium PCA** - The sodium salt of Pyrrolidone Carboxylic Acid (PCA). It is an element of the skin's natural moisturizing factor. It is used to boost moisture content of the skin and provide intensive hydration, while improving elasticity and softness.

**Soybean Oil** - A natural UV ray blocker. Helps keep pollutants from entering skin pores. These properties help aid in the anti-aging process.

**Sphingolipids** - Complex lipids which contain sphingosine or a related base, a polar headgroup and a long saturated or monosaturated fatty acid connected to the backbone at its amino group. A skin conditioning agent.

**Spin Trap** - The most powerful antioxidant known, milligram per milligram. It does not destroy the free radical (rogue oxygen), rather it traps it and escorts it back to the respiratory cycle where it is utilized in tissue respiration. The world's only intelligent antioxidant.

**Spinach** - A dark leafy green plant packed with anti-oxidant powerhouses which work to slow down the aging process and protect skin cells from free radical damage. It also strengthens your skin tissue and has high anti-inflammatory properties.

**Squalane** - Derived from olives, it is similar in structure to human squalene and boosts the effectiveness of the left-handed L-Lactic Acid. It brings moisture to the epidermal lipid layer.

**Strawberry and Melon Extract** - Recommended for oily skin to help with sebum production and large pores. It is a great wound and burn healer as well as an astringent.

**Succinic Acid** - Produced from lichen, it has a mild surfactant action and benefits the succinic acid portion of the ATP producing krebs cycle.

**Sugar Polymers** - Silky polysaccharides taken from flax, they thicken the formulation and are themselves emollient to the skin.

**Sweet Whey** - A natural protein that is vitamin rich.

**Syringa Vulgaris (Lilac)** - Extract of the Lilac plant. A skin conditioning agent.

## T

**Tetrahydrocurcuminoids** - A potent antioxidant.

**Tetrapeptide-3, 7** – Cell signal that compounds directing cellular processes.

**Tocopheryl Acetate** - Also known as Vitamin E acetate. It is made by the esterification of Tocopherol with acetic acid. Tocopheryl acetate is used as an alternative to tocopherol itself because it is a more stable compound. It provides protection against the sun's ultraviolet rays.

**Triglycerides** – Natural fatty acids providing natural fatty moisturizers.

## V

**Vegetable Glycerin** - Water soluble with emollient-like properties which soften and soothe the skin; it assists the outer epidermis in retaining moisture.

**Vinca Minor** - Enhances blood circulation.

**Viola Tricolor** - A soothing, bitter-sweet herb that possesses purifying actions. It contains rutin, a chemical known for its restorative actions on capillary membranes.

**Vitamin A (L-Retinol)** - The exact vitamin in an isomer utilized by the body for skin health, that is proper hydration, tone and color and acts as a very powerful antioxidant, just as it acts when the body produces it naturally.

**Vitamin C** - See ascorbic acid 20%.

**Vitamin D3, E and F** - Vitamin E is a fat-soluble antioxidant that stops the productions of reactive oxygen species formed when fat undergoes oxidation. Vitamin F is a term for two essential fatty acids: omega-3 and omega-6. These fats' primary functions is to repair and create tissue in the body.

## **W**

**Wheat Germ** - Extracted from the germ of the wheat kernel. This highly nutritive oil is rich in Vitamin E and omega-3 and 6 fatty acids. Helps to moisturize and relieve, dry irritated skin.

## **X**

**Xanthan Gum** - A natural thickener.

## **Y**

**Ylang-Ylang** – A flower fragrance and phytonutrient. A mood elevator.

## **Z**

**Zea Mays Oil** - Corn oil that contains a high concentration of Vitamin E (excellent for the skin) and essential fatty acids. The fatty acids are what enable it to be an emulsifier.

**Zeolite** - Removes pollution by deeply cleansing, purifying and detoxifying your skin, unclogging and refining your pores and eliminating free radicals.

**Zinc Oxide** - A white mineral pigment with skin-protecting properties.