

# IntegriVITAMIN and Specialties



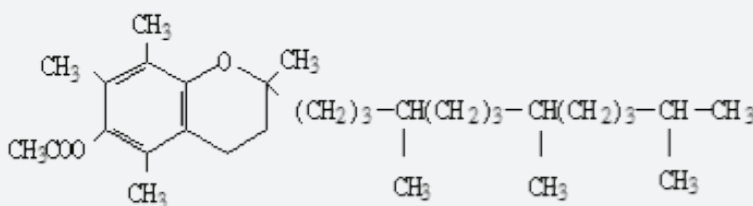
# Integrity Ingredients Corporation

## "Where Quality and Service Meet"

IntegriVITAMIN E Acetate

**INCI Name: Tocopheryl Acetate**

**Construction Formula:**



### Properties:

Straw color liquid, dissolve in organic solvent, such as alcohol or others and cannot dissolved in water. It can be easily oxidated.

**Quality Index:**

- Acidity:  $\leq 0.35\text{ml/g}$
- Free VE:  $\leq 0.46\text{ml}$
- Content:  $\geq 98\%$
- Refraction index: 1.4940-1.4990
- Heavy metal  $\leq 0.002\%$

### Character:

Vitamin E not only moistens the skin but also holds water and has good effects on scars, burns, acne, aging, speckle, skin dryness and ultraviolet damage. It is effective in decreasing lipid peroxidation. The product has a wide range of cosmetic and pharmaceutical applications. It can be used as lipid antioxidant.

**Use Level:** 0.1-6%

**Package:** 5kg/bucket ,20 kg pail or 185 kg drum

**Storage:** Shady, cool and protected from light. Shelf-life of 12 months.

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## “Where Quality and Service Meet”

IntegriVITAMIN E Acetate (Water-Soluble)

**INCI Name: PPG-30 Tocopheryl polyether-70**

**Quality Index:**

- Turbid liquid, colorless to straw color,
- Solubility: Dissolves easily in water or ethanol

**Character:**

As a highly-efficient water soluble product, which meliorated from oil-soluble Vitamin E, it takes remarkable effect on softening skin horny layer, accelerating epidermis cell metabolism, lighting epidermis pigment cell, decreasing lipid peroxide. Water-soluble Vitamin E acetate is usually used as a function additive of cosmetic for resisting wrinkle, nurturing skin and dispelling patch.

**Usage:**

Water Soluble Vitamin E has been widely used in cosmetics, shaving products, hair care, as well as nursing products. Improved functionality can be exited especially in water-base transparent products.

**Use Level:** 0. 5% ~ 5%

**Package:** 5kg/bucket

**Storage:** Must be kept in closed, cool and dry area. Shelf-life of 12 months.



IntegriVITAMIN B6

**INCI Name: Pyridoxine**

**Chemical Name:**

6-Methyl-5-Hydroxy-3, 4-Pyridine Dicarbinol Muriate

**Quality Index:**

- Melting point: 205-209
- Identification: Its infrared absorption atlas should accord with collating atlas
- pH: 2.4 - 3.0.
- Loss on Drying:  $\leq 0.5\%$ .
- Burn Residue:  $\leq 0.1\%$ .
- Heavy Metal:  $\leq 0.002\%$
- Content:  $\geq 99\%$

**Character:**

White or similar white crystal or crystalline powder; odorless, bitter and gradually denaturing when exposed in light, it can easily dissolve in water, slightly dissolve in ethanol and can not dissolve in chloroform or ether, which aqueous solution assumes itself subacid action.

**Usage:**

Used as cosmetic function additive, mainly preventing and curing sundry skin roughness, acne, sunburn, antipruritic and also fit for seborrheic trichomadesis, skin inflammation, general acne, seborrheic eczema and skin-scrapping. Also made into ointment, emulsion and alcohol solution. Generally co-working with other vitamin.

**Use Level:** 0.1 - 1.0%

**Package:** 1kg/bag, aluminium bag, lining plastic bag, 25kg/bucket

**Storage:** Kept in sealed container. Shelf-life of 12 months.

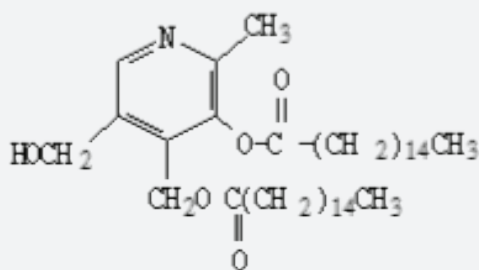
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## "Where Quality and Service Meet"

IntegriVITAMIN B6 Dipalmitate

**INCI Name: Pyridoxine Dipalmitate**

**Construction Formula:**



White or similar white crystal or crystalline powder; odorless. It can easily dissolve in oil, slightly dissolve in ethanol by hot and cannot dissolve in water. This product has a better dissolve ability with skin and a more stability.

**Quality Index:**

- Melting point: 87 - 91 °C
- Water content: ≤0.3%
- Loss on drying: ≤0.3%
- Heavy metal: ≤0.002%
- Content: ≥ 98%

**Character:**

Used as cosmetic function additive, mainly preventing and curing sundry skin roughness, acne, sunburn and also fit for seborrheic trichomadesis, skin inflammation, general acne and seborrheic eczema. It also can be used into cream, emulsion and nutrient shampoo. Generally co-working with other vitamins.

**Use Level:** 0.5% ~ 2.0%

**Package:** 1kg/bag, aluminum bag, lining plastic bag, 25kg/bucket

**Storage:** Kept in sealed container. Shelf-life 12 months.

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## "Where Quality and Service Meet"

IntegriVITAMIN C (Sodium Ascorbyl Phosphate)

**INCI Name:** Sodium Ascorbyl Phosphate

**Quality Index:** Appearance: White or like powder

**Solubility:** Easily dissolved in water, dissolved in glycerin and slightly dissolved in propylene glycol.

**pH:** (3% aqueous solution) 8-10

**Character:** Vitamin C is a well-known skin-whitening agent. In derivatives-Sodium Ascorbyl Phosphate is highly improved, and once it is absorbed by skin, it quickly decomposes into Vitamin C to exert the physiological action of Vitamin C.

**Phosphate:** Whitening effect; restrain the formation of melanin, has strong skin whitening effect.

**Stability:** Photosensitivity and heat sensitivity are much more lower than Vitamin C, stability in water is much more higher than Vitamin C, can keep its color in a long time. The product is most stable when PH=6.5. When PH> 6.5 it is stable.

**Anti-Free Radicals Action:** Has anti-radical effect. Can suppress the oxidation and the aging of the lipid to attain the anti-aging effect. Prompt the renewal and the formation of skin elastin and collagen. Keep and renew the vigor of skin.

**Synergy with Vitamin E:** Vitamin E and Vitamin C working together as anti-oxidants show strong synergistic action in human skin.

**Use Level:** Skin Whitening Product: 2-5%; Skin Care Product: 1-3%

**Package:** 1Kg/ Bag, aluminum foil bag, 20Kg/ Bucket

**Storage:** Shielded from light and kept closed. Shelf life 12 months.



## Integrity Arbutin

### INCI Name: Arbutin

#### Quality Index:

- White powder or acicular crystallization
- Melting point: 198 ~ 201°C
- pH (1% solution): 5 ~ 7
- Loss on drying: ≤ 1.0%
- Burn residue: ≤ 0.1%
- Heavy metal: ≤ 0.002%
- Optical rotation:  $[\alpha] = -630$  to  $-670$
- Hydroquinone: Can't examine out
- Content: ≥ 99%

#### Character:

Effectively inhibiting the formation of melanin and prohibit hyper-pigmentation caused by ultraviolet radiation. Used to whiten the skin, prevent liver spots and freckles, treat sunburn and regulate melanogenesis.

**Action Mechanism:** Research on tyrosinase, the key enzyme causing melanin formation, indicates that arbutin can effectively prohibit melanin formation by cubing on the activity of tyrosinase without affecting cell proliferation.

**Method of Use:** Added to advanced cosmetics which function is lightening skin, sunscreen and dispelling freckle.

**Use Level:** 0.5% ~ 3.0%

**Package:** 1kg/bag, aluminum foil bag, 15kg, 20kg/bucket

**Storage:** Shielded from light in closed container. Shelf-life 12 months.

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## "Where Quality and Service Meet"

### Integrity Kojic Acid

#### INCI Name: Kojic Acid

**Chemical Name:** 5-Hydroxy-2-(Hydroxymethyl)-4H-Pyran-4-One

**Properties:** White or similar white crystal, dissolved in water, indissolved in liquid.

#### Quality Index:

- Melting Point: 152-156° C
- Heavy Metal: Max. 0.001%
- Drying Loss: Max. 0.5%
- Burning Draff: Max. 0.1%
- Content: Min. 98%

#### Property and Action:

The product is a highly efficient lightening agent. It can prohibit the activity of tyrosinase and obstructing from melanin. Making skin white and make pigment light BY depressing the activity of tyrosinase and prohibiting DOPA oxidation.

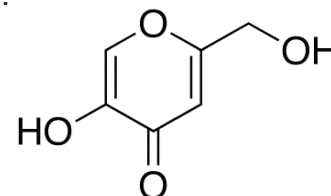
#### Application:

Adapting for advanced cosmetic of skin-whitening, skin-care, freckle-erasing and so on. Widely used in foodstuff anti-oxidation agent, antibacterial agent and anti-blushing agent.

**Use Level:** 0.5-2%

**Package:** 1kg/bag, aluminum foil bag, 20kg/drum

**Storage:** Shielded from light and kept cool and sealed. Has a shelf-life of 24 months.





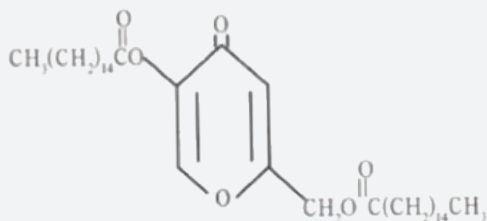
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## Integrity Kojic Acid Dipalmitate

### INCI Name: Kojic Dipalmitate

**Chemical Name:** 5-Hydroxy-2-(Hydroxymethyl)-4H-Pyran-4-One



**Appearance:** : White or similar white crystalline.

#### Quality Index:

- Melting point: 93 to 96° C
- Color Reaction of Ferric Chloride: Negative
- Heavy Metal: Max. 0.001%
- Dry Loss: Max. 0.5%
- Content: Min. 98%

#### Property and Action:

As a high effective stable whitening agent, widely used in various cosmetic. Effectively bottling up the activity of tyrosinase and obstructing pigment forming..

#### Application:

A dating for sundry advanced cosmetic for skin-care, skin-whitening, speckle-dispelling. Dissolved in lipid such as ethanol, liquid paraffin. Stabilizing in pH 5 to 8.

**Use Level:** 1-3%

**Package:** 0.5kg/bag, aluminum foil bag, 10kg/bucket

**Storage:** Shielded from light and kept sealed. Has a shelf-life of 24 months.

## Integrity Dipotassium Glycyrrhizinate

### INCI Name: Dipotassium Glycyrrhizinate

**Properties:** White or light white powder, it can easy dissolve in water and alcohol but can not dissolve in oils.

**Quality Index:**

- pH: 5~6
- Loss on Drying: ≤5%
- Ignition Residue: 18.0~21.0%
- Heavy Metal: ≤0.002%
- Content(UV): ≥99%

**Character:**

It can effectively prevent inflammation to happen for the stimulation to skin. It also can diminish inflammation arose by sun. Mainly used in skin-care and skin-nurse cosmetics.

**Method of Use:**

Add product to water and heat it to dissolve.

**Use Level:** 0.1~0.5%

**Package:** 1kg/bag or 25kg/barrel

**Storage:** Shielded from light. Kept closed for 12 months.



## Integrity Stearyl Glycyrrhetinate

### INCI Name: Stearyl Glycyrrhetinate

**Properties:** White or yellowish white powder. Stearyl Glycyrrhetinate increased oil solubility allows for a greater range of cosmetic formula to be prepared and truly produce a finished product with effective anti-inflammatory properties.

#### Quality Index:

- Loss on Drying: 1% max
- Ignition Residue: 0.10% max
- Heavy Metal: 20ppm max
- Content(UV): 95 – 102%

#### Character:

It can effectively prevent inflammation to happen for the stimulation to skin. It also can diminish inflammation by sun.

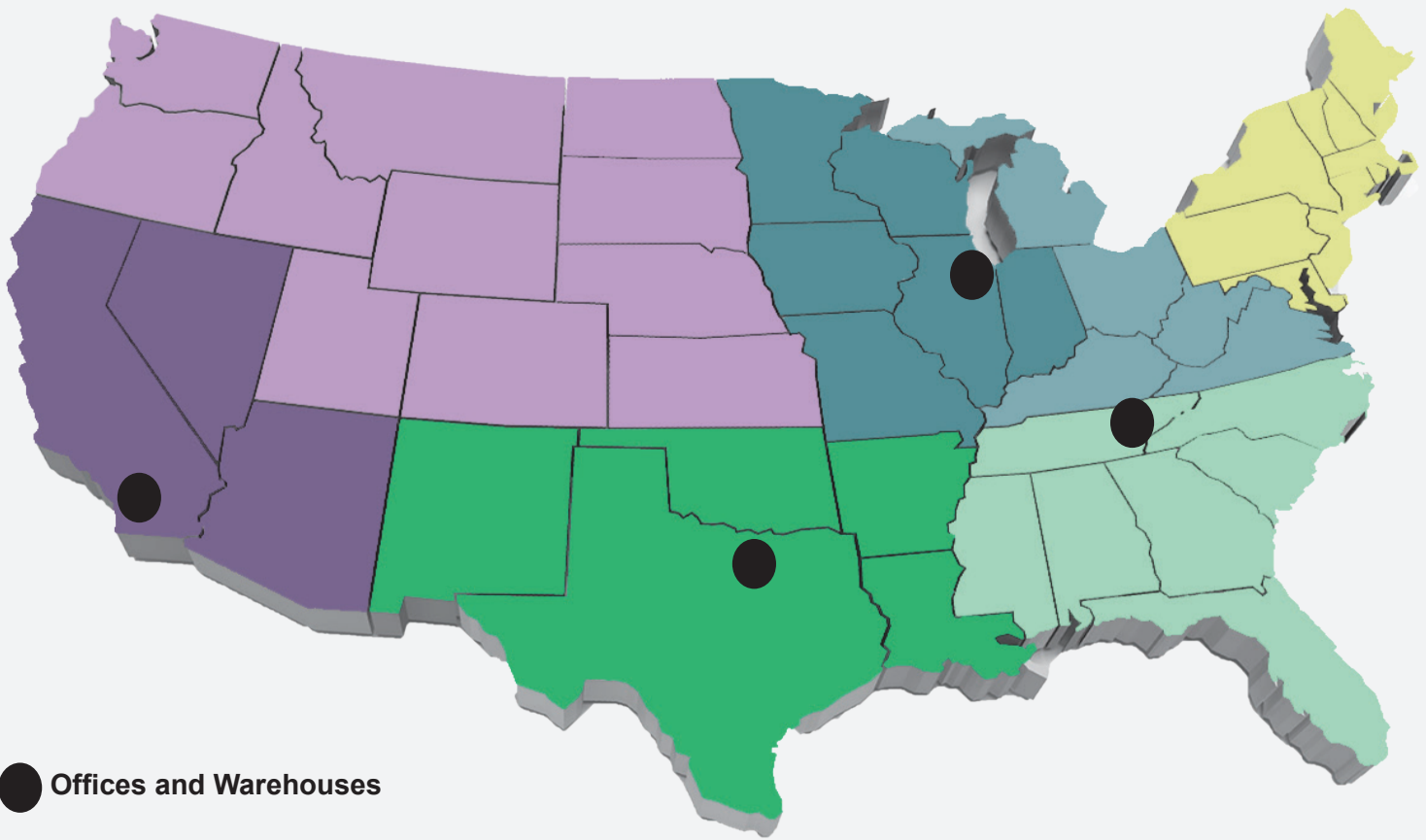
#### Uses:

Creams, lotions, sun care, after-sun care, lipsticks, and makeups.

**Use Level:** 0.1~0.5%

**Package:** 1kg/bag or 25kg/barrel

**Storage:** Shielded from light. Kept closed for 12 months.



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