



Alpha Glucosyl Hesperidin

Stimulates Circulation
for Glowing, Radiant Skin

Citrus-derived bioflavonoid

Reduces conspicuous facial pores

Improves hair thinning

Alpha Glucosyl Hesperidin

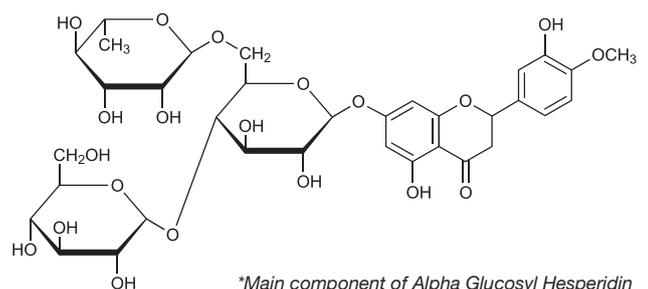
A historically proven, citrus-derived ingredient that maintains healthy hair and skin by enhancing blood circulation

Alpha Glucosyl Hesperidin is composed of glucose and hesperidin, bound together using enzymatic technology developed by Nagase Viita (formerly Hayashibara), which significantly improves solubility of hesperidin in water while retaining its natural biologic functions. Hesperidin is a flavonoid primarily found in the peels of various citrus fruits. For centuries in Japan, citrus peels have been added to hot bath water for their aromatic effects and “body-warming sensation” they provide after bathing. It is now confirmed that hesperidin, which belongs to a class of substances known as bioflavonoids, is the active component of the citrus peel which stimulates blood circulation, resulting in the warming sensation.

Numerous problems such as dark circles under the eyes, dull skin, and hair loss can be related to poor circulation. Poor skin circulation can be caused by day-to-day stress, a cold climate, or a lack of exercise or sleep, which results in tired, older-looking skin. The antioxidant and anti-inflammatory properties of the bioactive ingredient—Alpha Glucosyl Hesperidin—allow for its use in combating these problems, and can stimulate circulation and promote blood flow.

- Promotes blood circulation
- Improves dark circles and dullness
- Makes pores less visible
- Prevents hair loss
- Reduces heat damage to hair
- Inhibits production of ROS and inflammatory factors

Structural formula of glucosyl hesperidin*



Solubility

Solubility is improved significantly compared with Hesperidin.

Type of Hesperidin	Solubility (g/100g water)
Hesperidin	0.002
Alpha Glucosyl Hesperidin	283



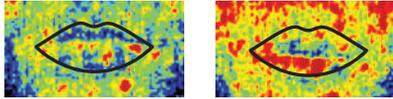
BENEFIT 1

Enhances blood circulation

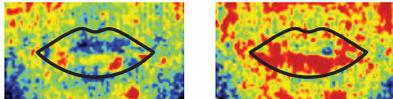
Application of Alpha Glucosyl Hesperidin (AGH) cream on the surface of the lips increased blood flow.

PLACEBO

0.5% AGH

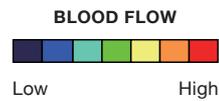


Right after application



30 min. after application

0.5% Alpha Glucosyl Hesperidin cream or placebo was applied on the lips. Scanning images of the lips were taken using a laser doppler blood flowmetry.

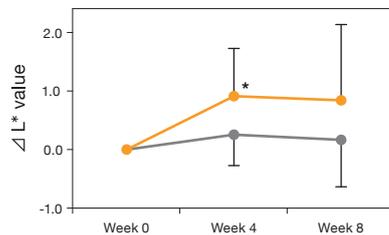


BENEFIT 2

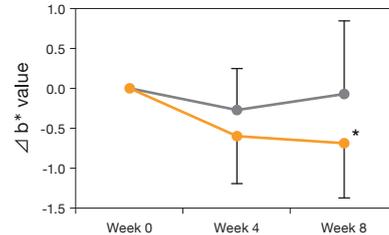
Improves skin dullness and dark circles under eyes

Application of Alpha Glucosyl Hesperidin toner to the eye area improved dull skin and dark circles around the eyes. (In the high b* value group)

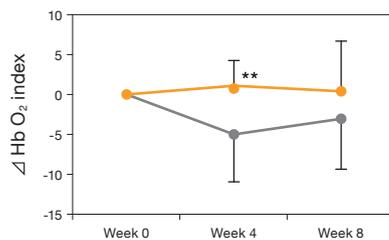
IMPROVEMENT IN SKIN DULLNESS



IMPROVEMENT IN YELLOW SKIN TONE



IMPROVEMENT IN DARK CIRCLES



● 0.5% Alpha Glucosyl Hesperidin (n=6)
● Placebo (n=8)

vs. placebo, *: $p < 0.1$, **: $p < 0.05$

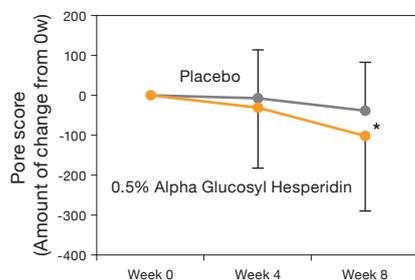
0.5% Alpha Glucosyl Hesperidin toner or placebo was applied twice a day for 8 weeks on the entire face of females with high psychological stress and dull skin. Skin color was measured around the eyes using a spectrophotometer.

BENEFIT 3

Reduces skin pores

Alpha Glucosyl Hesperidin reduced facial pore scores.

CHANGE IN PORE SCORE



0.5% Alpha Glucosyl Hesperidin toner or placebo was applied on the entire face of 31 females twice a day for 8 weeks. Facial pore scores were measured on the cheek using a VISIA® Evolution to calculate amount of change before and after application.

vs. 0w, *: $p < 0.01$

APPLICATIONS

Skin Care

Anti-Aging

Body Care

Hair Care

Lip Care

Make-Up

PRODUCT FORMS

Lotions, Toners, Milk Lotions, Creams/Eye Creams, Gels, Serums/Essences, Lip Products, Tonics, Bath Products, Hand Creams/Foot Creams

SUGGESTED USAGE LEVEL

Skin Care	0.5–1.0%
Hair Care	0.5–3.0%
Bath Products	0.5–1.0%
Lip Products	0.1–0.5%

INFORMATION

INCI NAME

Glucosyl Hesperidin

DESCRIPTION

Light yellow to yellowish-brown powder and slightly characteristic odor

STORAGE

Store at 1–25°C (better at 1–15°C) in a dark place.

EXPIRATION

Three (3) years from the production date

PACKAGE

Laminated multilayer bag (net 1kg)

SAFETY

Data acquired



Raw material verified by ECOCERT GREENLIFE, conform to the COSMOS Standard

Alpha Glucosyl Hesperidin is certified as Halal

Contact Us

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Please visit our website for further information.



Nagase Viita has received EcoVadis Platinum rating in sustainability for two consecutive years. EcoVadis is an independent institution that assesses sustainability of over 150,000 supplier companies operating in more than 185 countries across more than 250 industries. Platinum is the highest possible rating given by EcoVadis, awarded to companies whose overall score rank in the top 1% of all eligible companies.

Alpha Glucosyl Hesperidin is manufactured by Nagase Viita Co., Ltd. in Japan

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