

식물유래추출물 & 엑소좀

# Plant Callus Extract & Exosome

Lavender



# Skin relaxation gifted by fragrant "Lavender" from the Mediterranean

- It increases skin elasticity and helps improve wrinkles.
- It helps soothe skin irritation and care for sensitive skin.
- It helps relieve skin blemishes or minor irritations.
- It has antioxidant properties and protects the skin from damage caused by external harmful environments.

- Scientific name : *Lavandula angustifolia*
- Export information : Available for export to China and Japan
- Package Size : 1kg

## KEY POINT

#Skin soothing #Moisturizing #Anti-aging #Prevention of hair loss

**Elasticity is added to the skin with the mysterious power of Lavender**

Lavender extract improves skin elasticity and promotes cell regeneration, helping to maintain healthy and elastic skin.

**Protect and keep your skin healthy with the soothing effect of Lavender**

Lavender extract has an excellent anti-inflammatory effect, soothes irritated skin, and strengthens the skin barrier to protect the skin from external irritation.

**Brightens and moisturizes your skin with the clear scent of Lavender**

Lavender extract suppresses melanin production and brightens the skin evenly, and rich moisturizing ingredients keep the skin moist, creating a glossy complexion.

# Skin relaxation gifted by fragrant "Lavender" from the Mediterranean

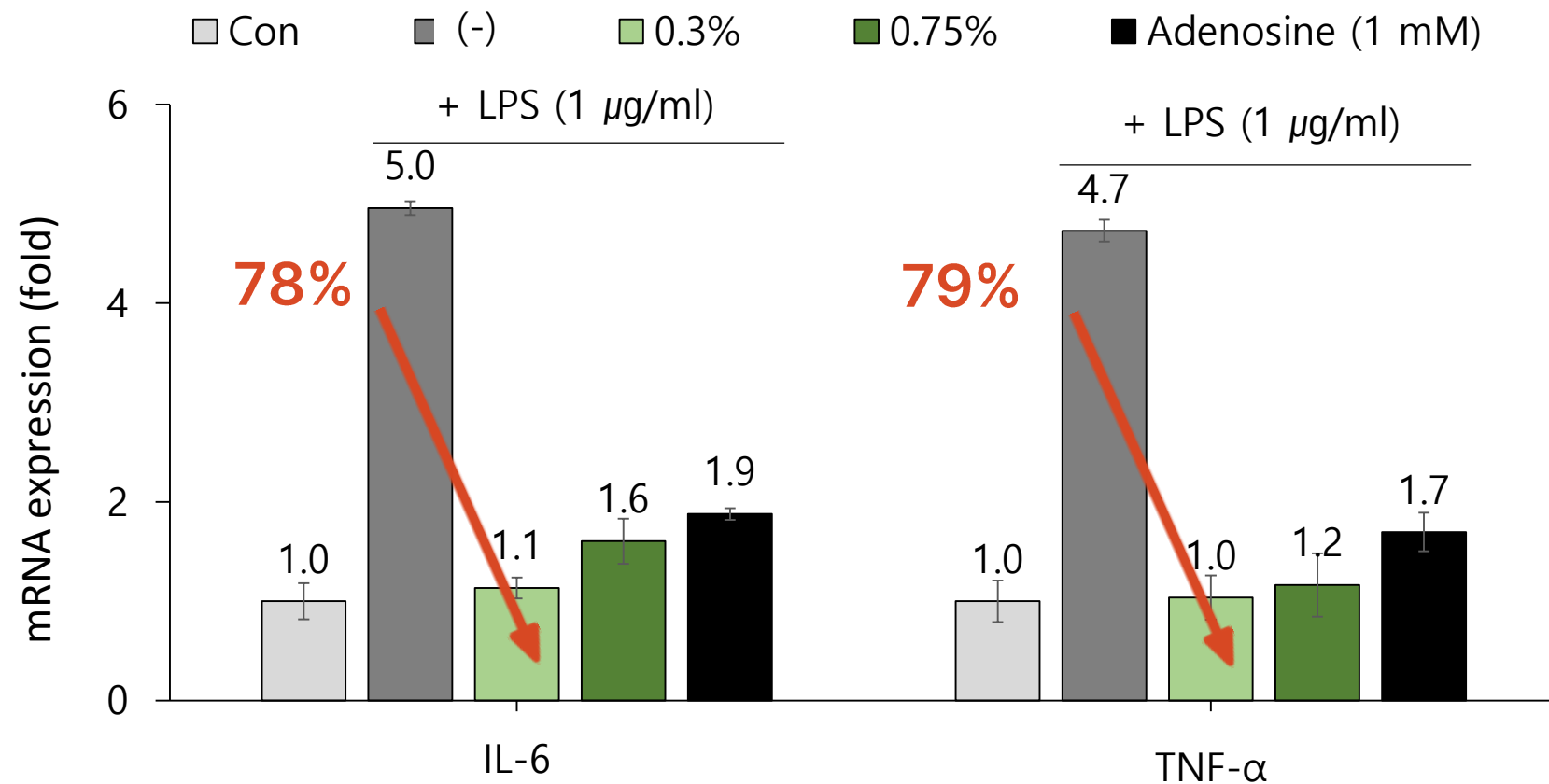
INCI : Lavandula Angustifolia (Lavender) Callus Extract

## Cellular efficacy of Lavender Extract

- Anti-inflammation, Improvement of skin elasticity, Skin barrier reinforcement, Whitening, Moisturizing -

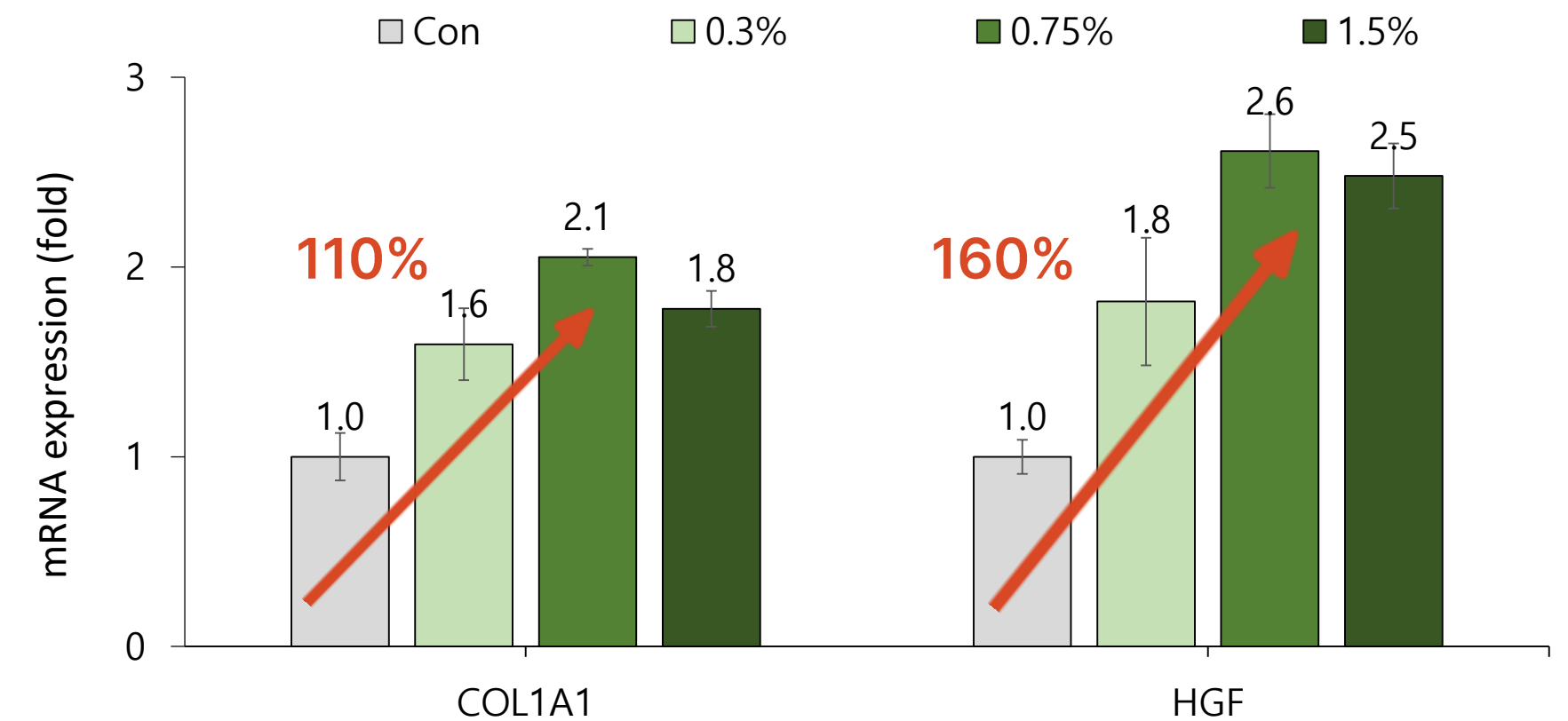
### ■ Anti-inflammation

Lavender extract soothes the skin by reducing the gene expression of inflammatory response (IL-6, TNF- $\alpha$ ) by up to 79%.



### ■ Improvement of skin elasticity

Lavender extract increases skin elasticity by increasing the expression of collagen synthesis gene (COL1A1, HGF) by up to 160%.



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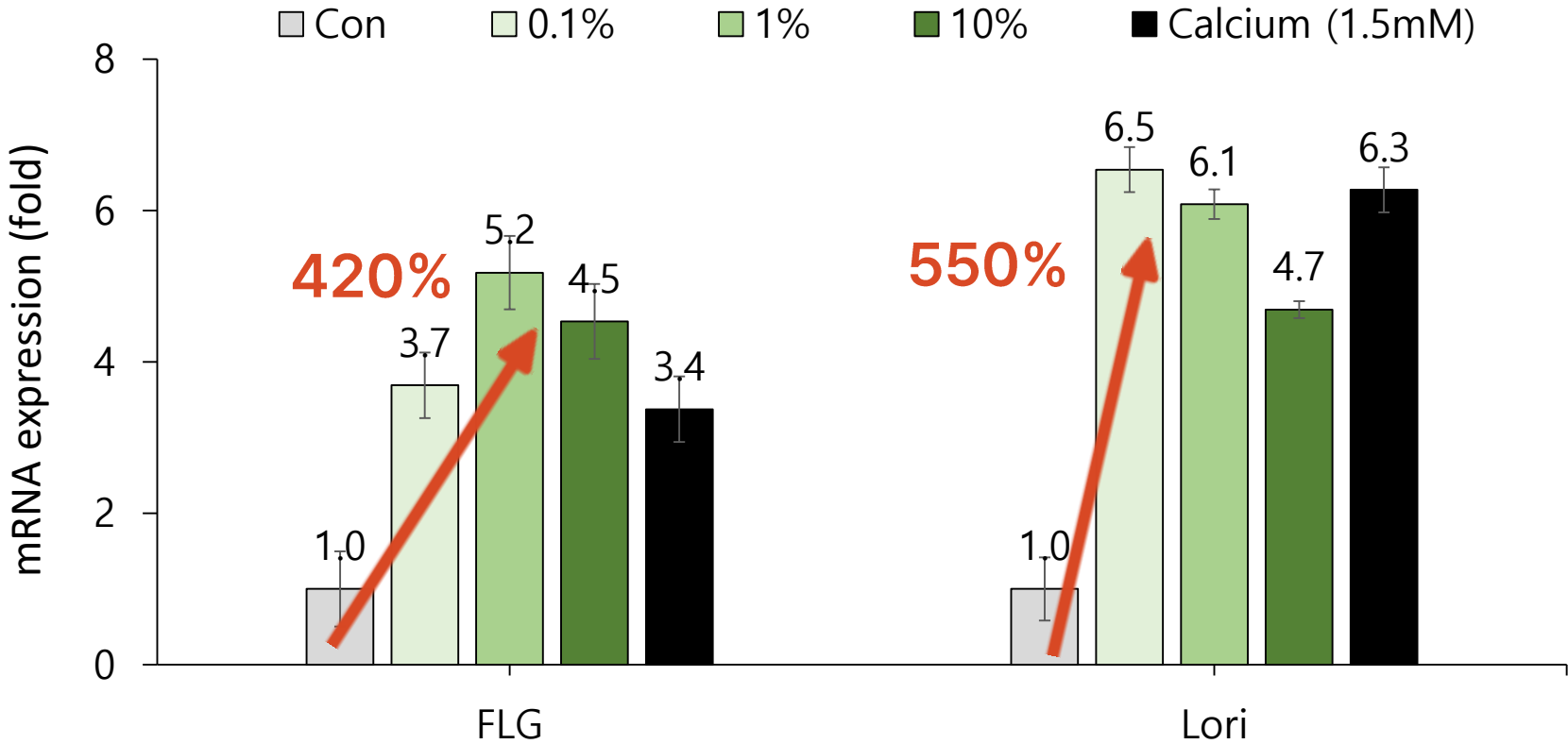
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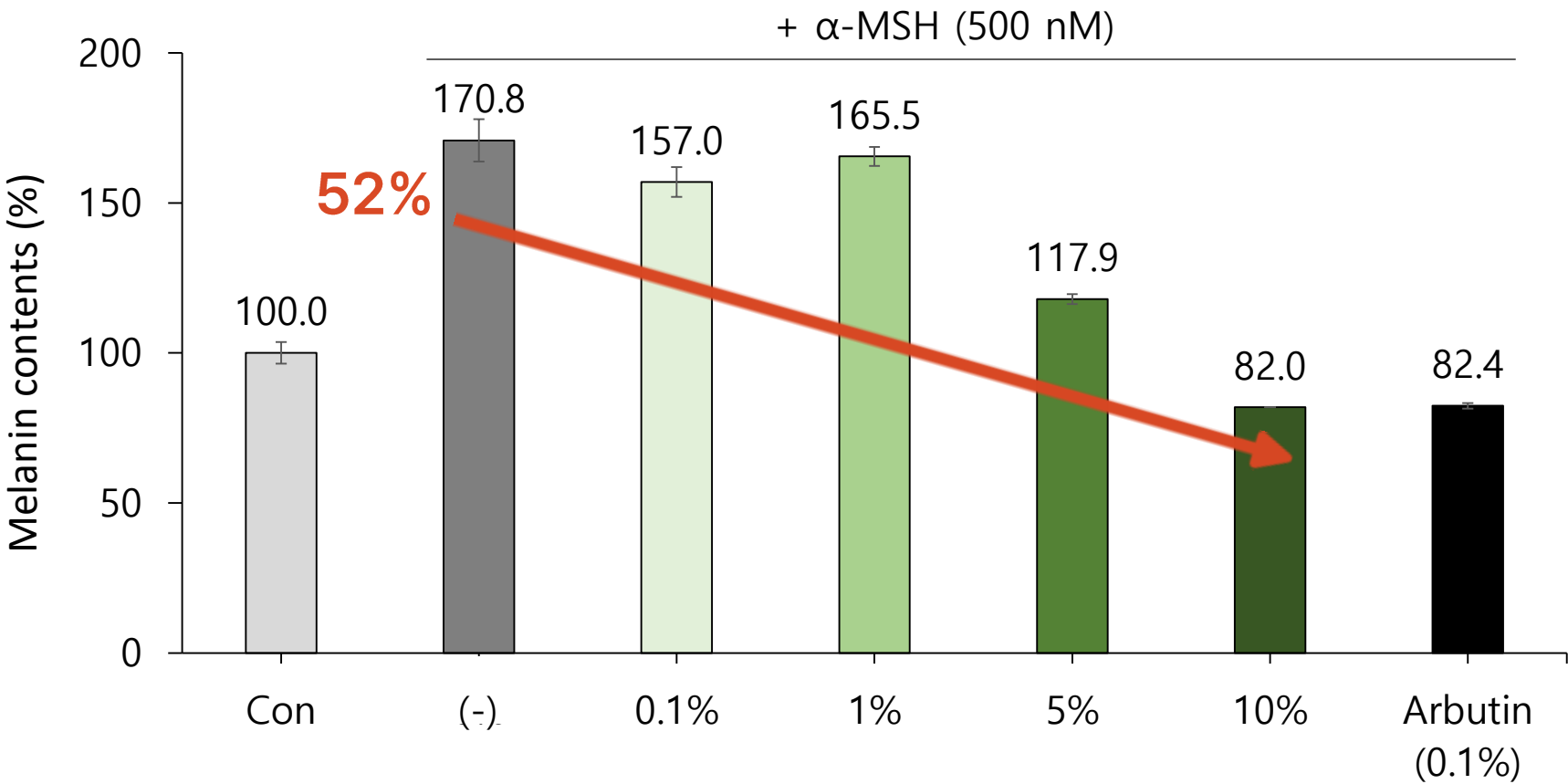
### ■ Skin barrier reinforcement

Lavender extract increases gene expression of skin barrier proteins (FLG, Lori) by up to 550%, protecting the skin and preventing moisture loss.



### ■ Whitening

Lavender extract reduces the synthesis of melanin, the main cause of pigmentation, by 52%, making the skin bright and clean.



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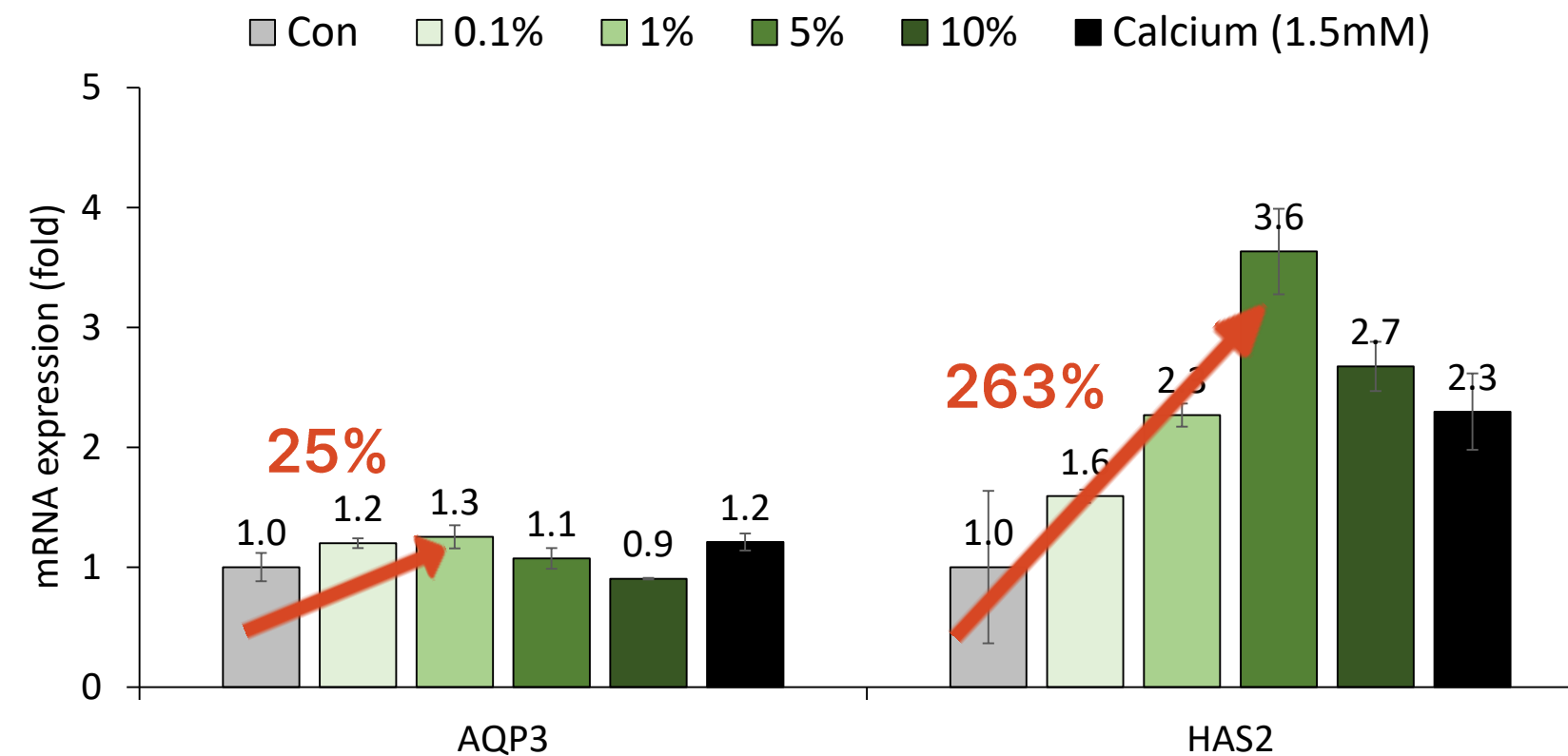
INCI : Lavandula Angustifolia (Lavender) Leaf Cell Extract

## Cellular efficacy of Lavender Extract

- Anti-inflammation, Improvement of skin elasticity, Skin barrier reinforcement, Whitening, Moisturizing -

### ■ Moisturizing

Lavender extract increases the expression of genes (AQP3, HAS-2) involved in skin moisturizing by up to 263%, helping to absorb moisture from the outside of cells into the inside or preserve existing moisture.

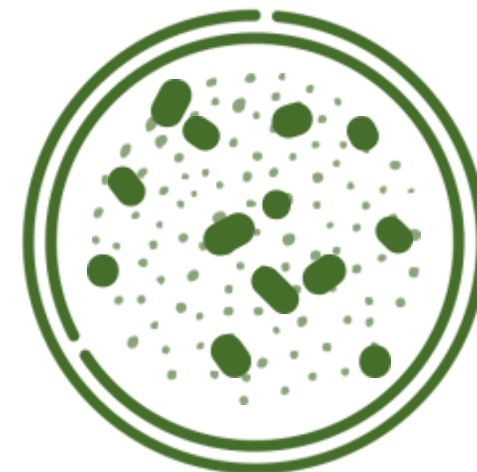


DASAN C&Tech's upgraded natural origin and skin-friendly technology

## "Plant-derived Exosome"

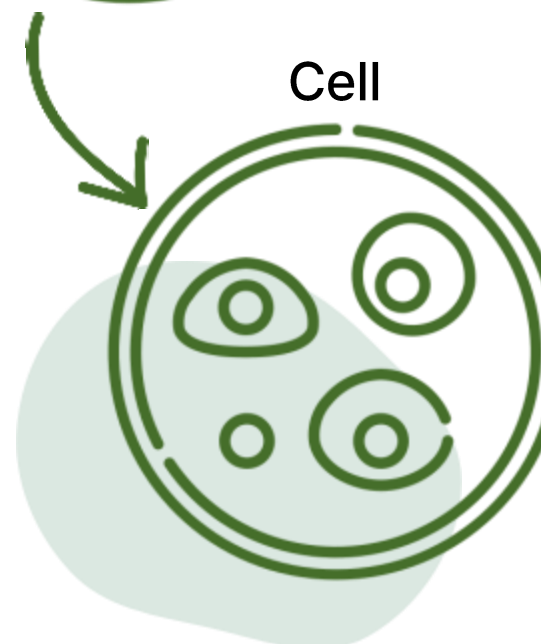
### Reasons for using plant-derived exosomes

Plant-derived exosome



#### ■ Raw materials with intact nutritional content

Unlike existing plant extracts that are extracted by applying heat, exosomes are made by processing the raw material as is, so the various nutrients are preserved without being destroyed and work on the skin.



Cell

#### ■ Increased absorption as a skin-friendly raw materials

Unlike traditional raw materials that struggle to pass through cell membranes and act on them, exosomes have a phospholipid bilayer structure similar to cell membranes, enhancing their penetration and absorption capabilities.

## DASAN C&Tech's upgraded natural origin and skin-friendly technology

# "Lavender Exosome"

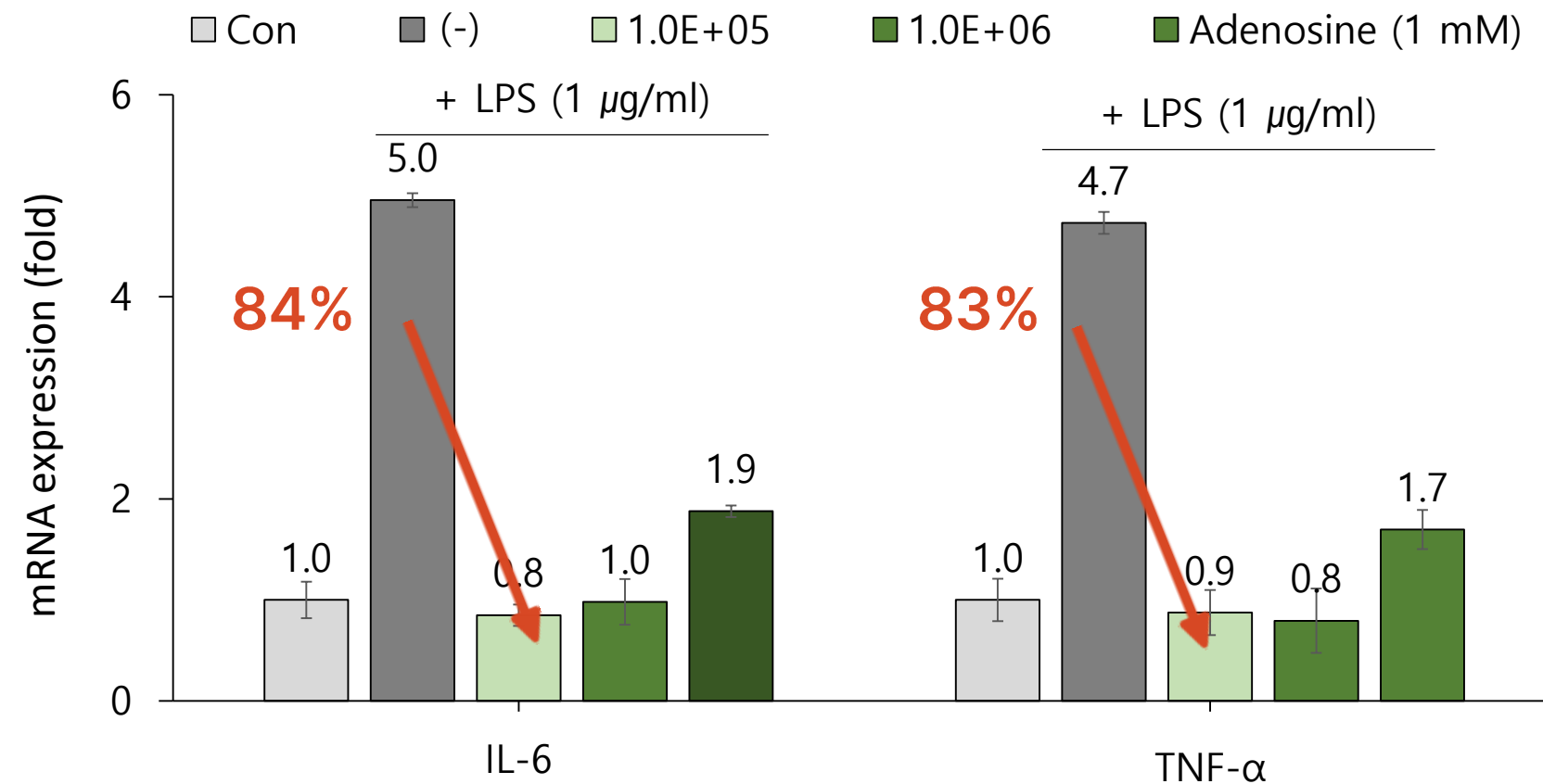
INCI : Lavandula Angustifolia (Lavender) Callus Extracellular Vesicles

## Cellular efficacy of Lavender exosome

- Anti-inflammation, Cell regeneration, Improvement of skin elasticity, Moisturizing-

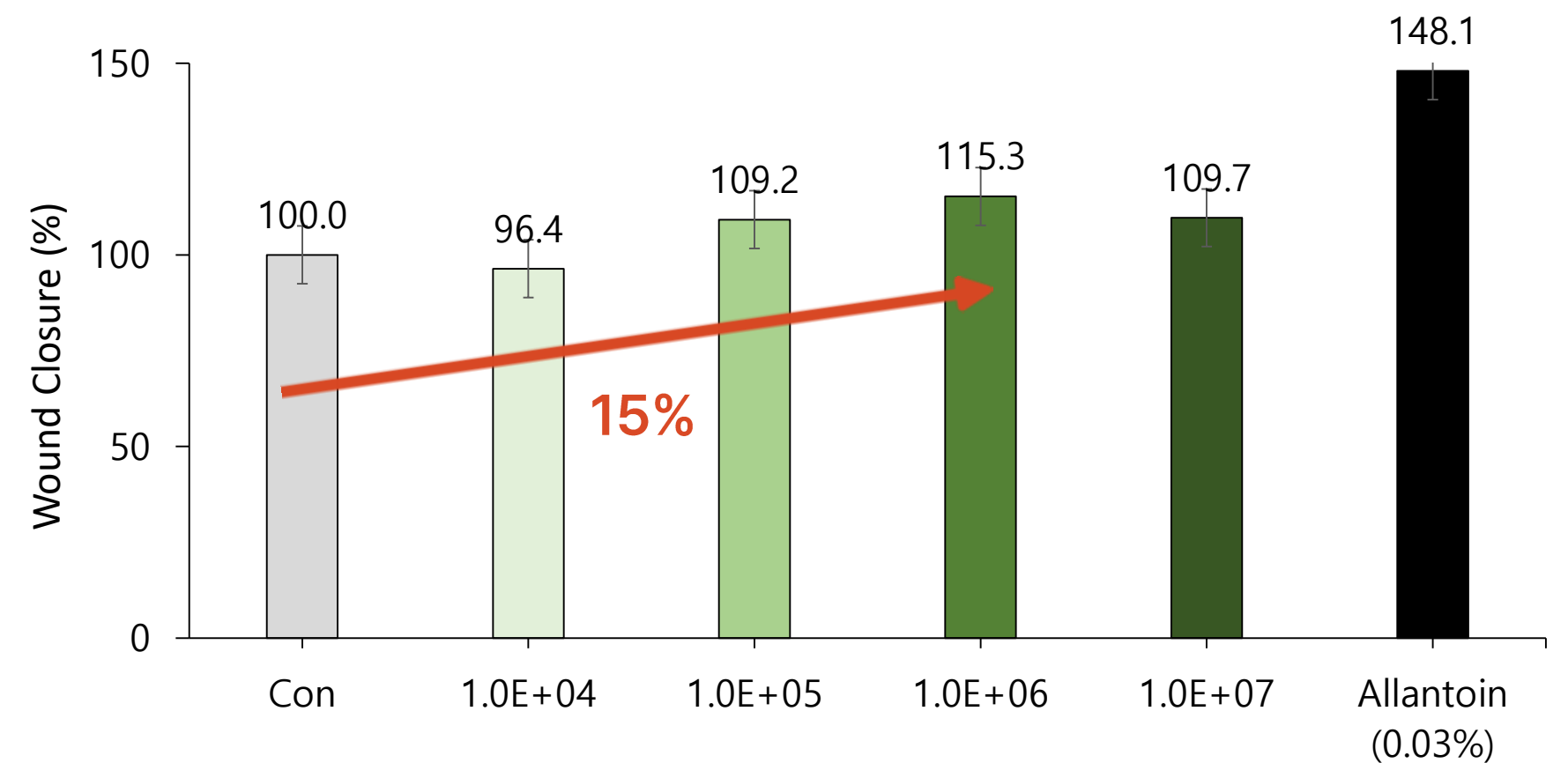
### ■ Anti-inflammation

Lavender exosomes soothe the skin by reducing the expression of inflammation-causing genes (IL-6, TNF- $\alpha$ ) by up to 84%.



### ■ Cell regeneration

Treatment of wounded cells with Lavender exosomes increased wound recovery by 15%.



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# "Lavender Exosome"

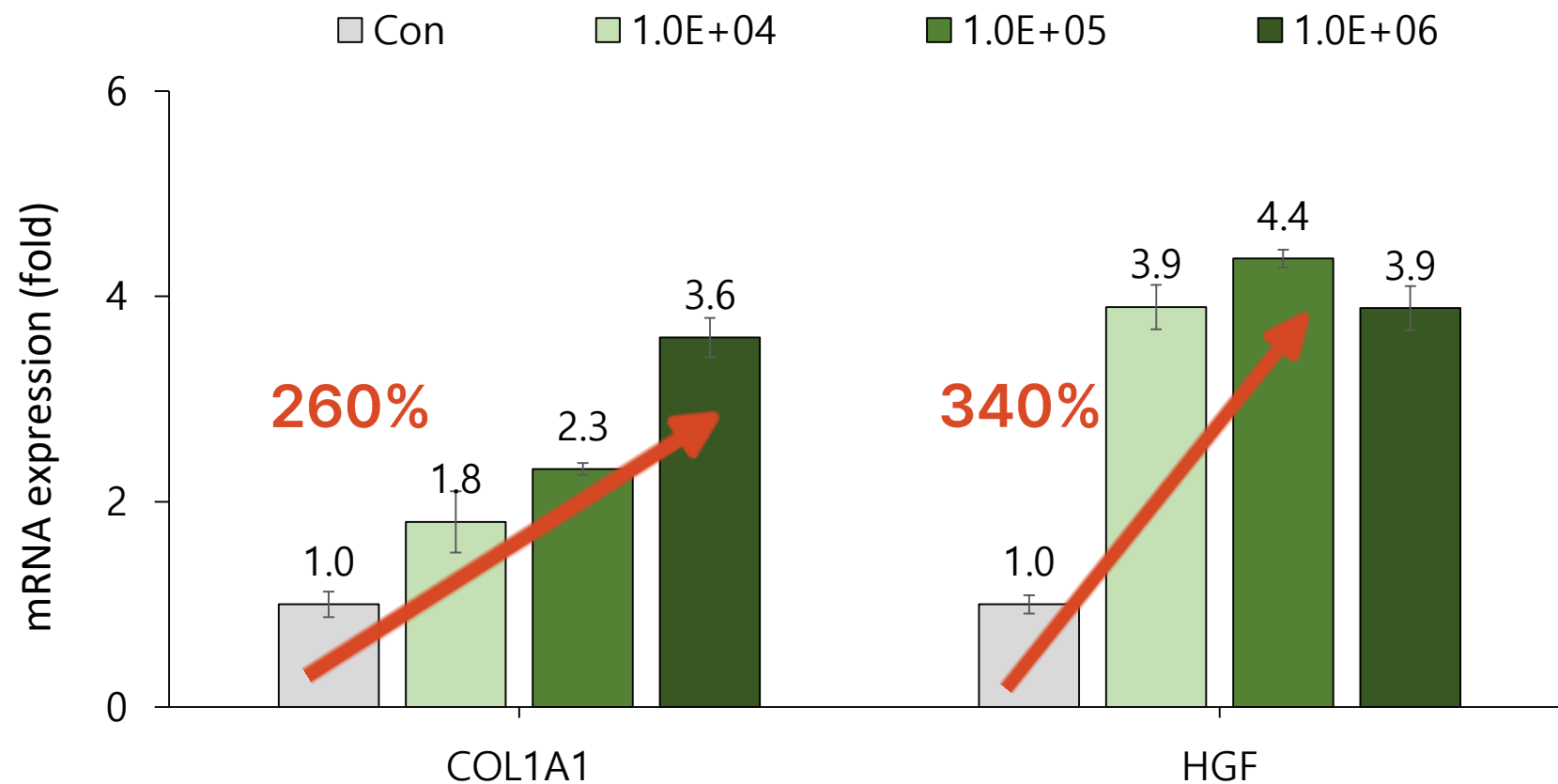
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## Cellular efficacy of Lavender exosome

- Anti-inflammation, Cell regeneration, Improvement of skin elasticity, Moisturizing -

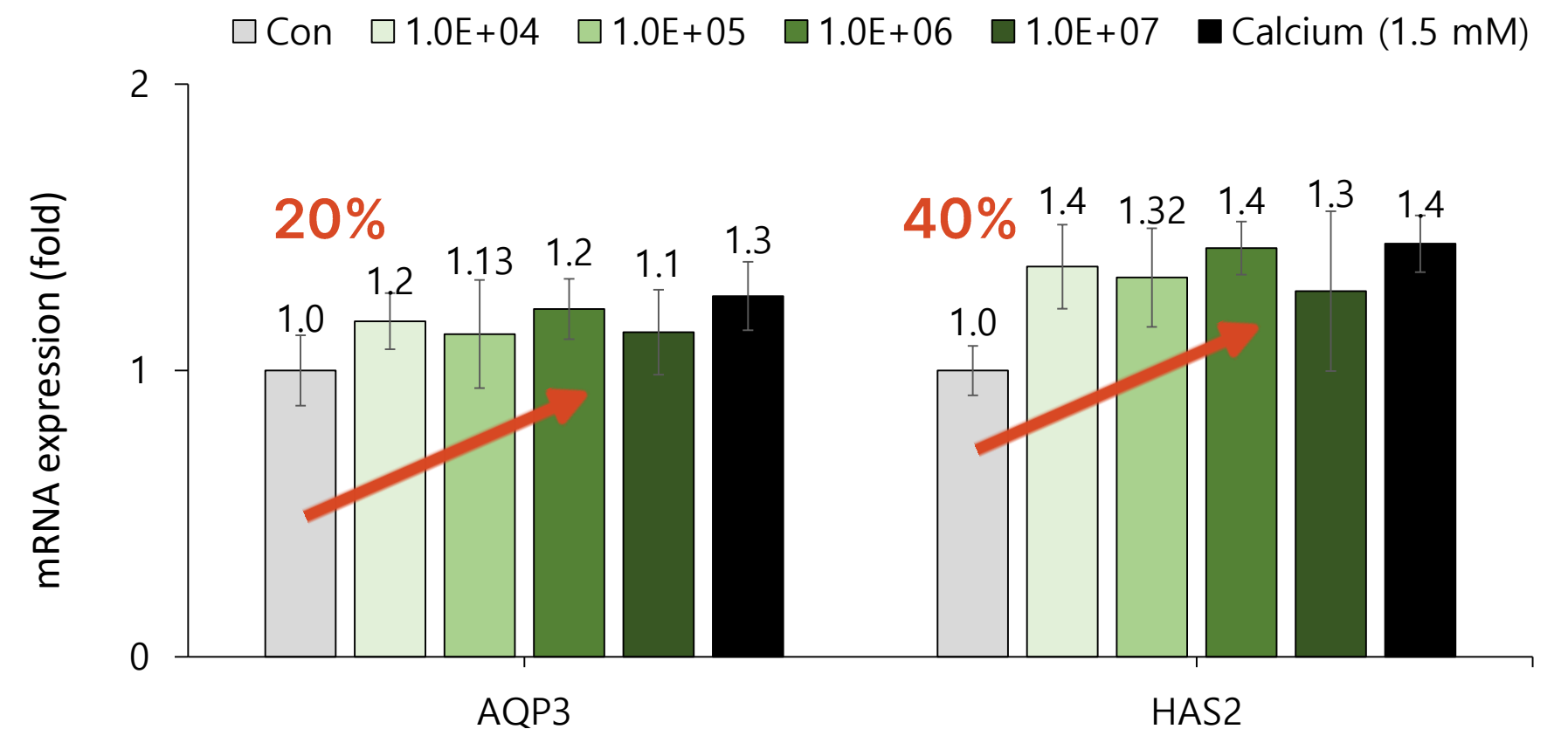
### ■ Improvement of skin elasticity

Lavender exosomes increases skin elasticity by increasing the expression of collagen synthesis gene (COL1A1, HGF) by up to 340%.



### ■ Moisturizing

Lavender exosomes increase the expression of skin moisturizing genes (AQP3, HAS-2) by up to 40%, helping to absorb moisture from the outside of cells into the inside or preserve moisture.

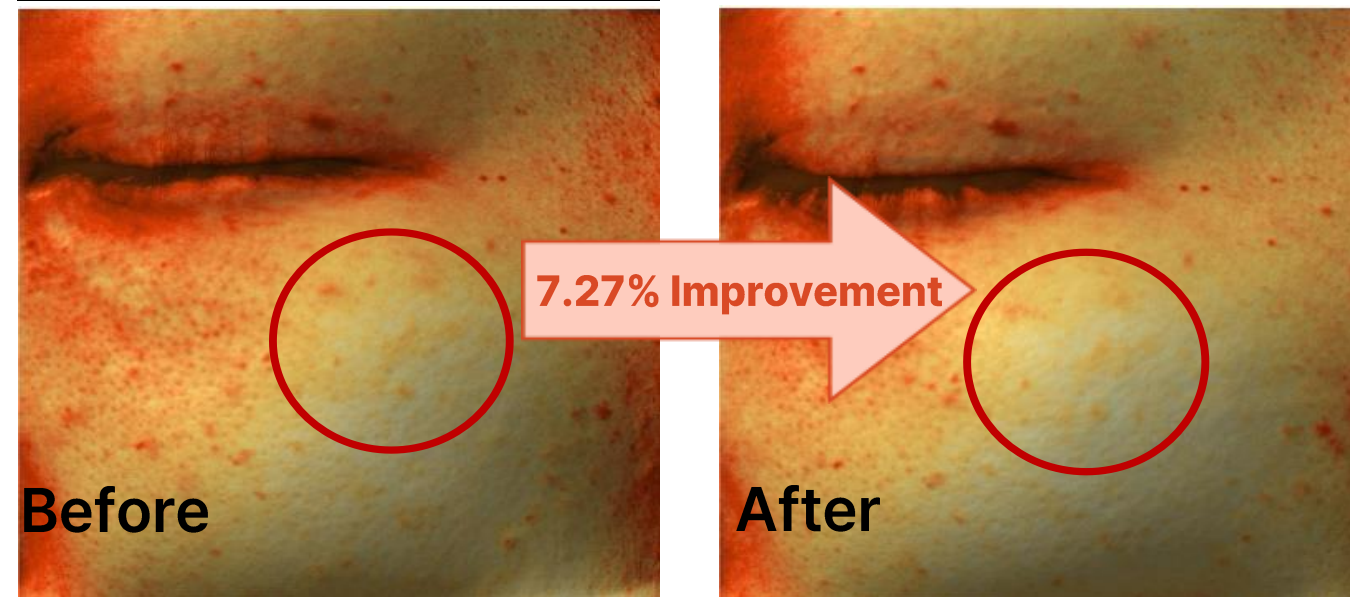


DASAN C&Tech's upgraded natural origin and skin-friendly technology

# "Lavender Exosome"

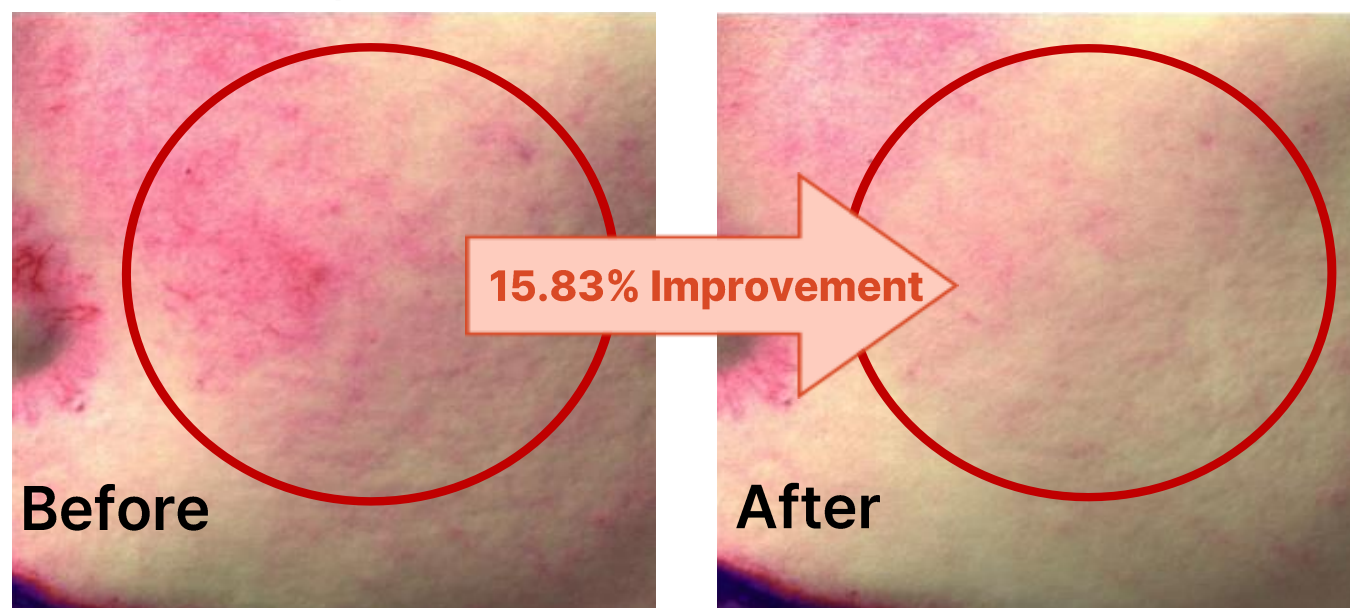
## Melanin improvement effect after 4 weeks of use

\*Serum containing 4% Lavender Exosomes



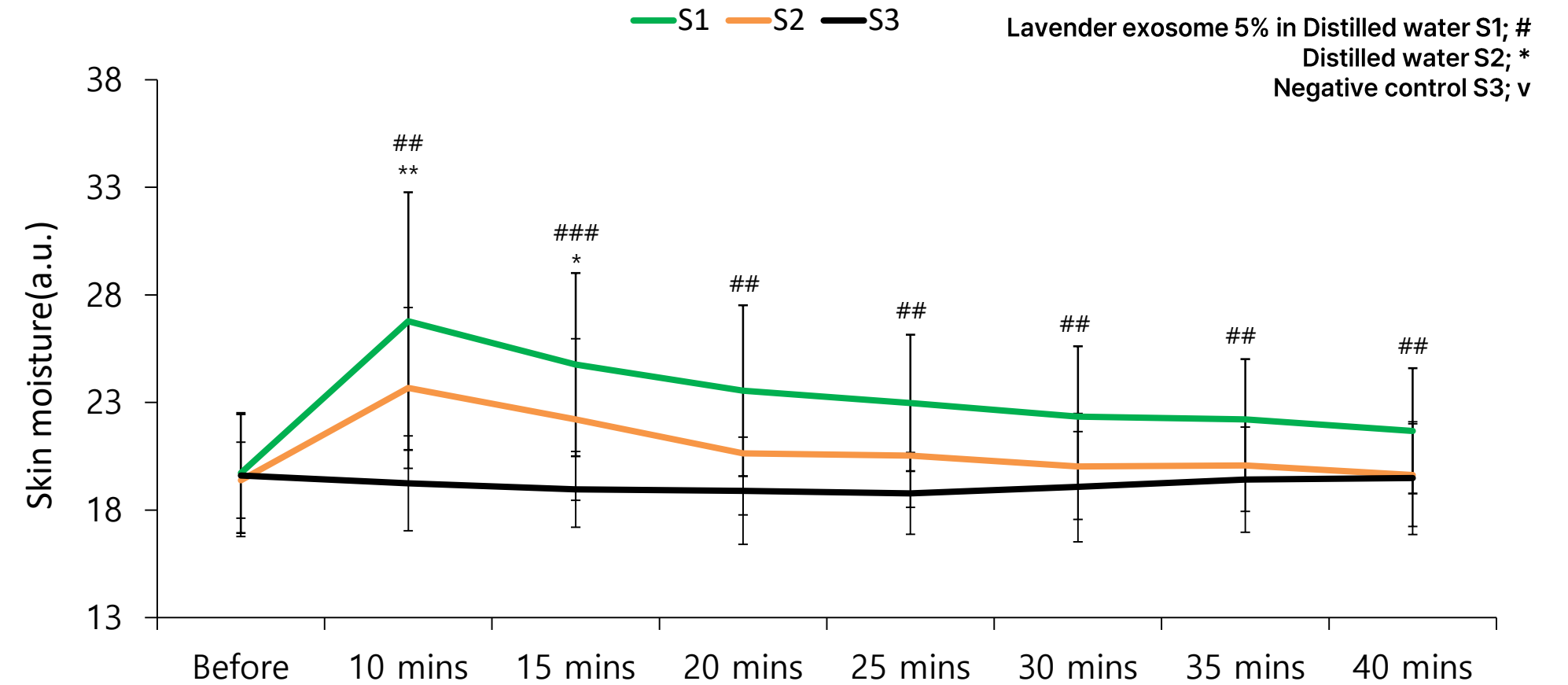
## Redness improvement after 4 weeks of use

\*Serum containing 4% Lavender Exosomes



## Moisture content measurement

\* 5% Lavender Exosomes in Distilled Water



The skin moisture increases temporarily after 10 minutes of applying the distilled water, but decreases quickly and significantly. In contrast, the skin moisture with 5% Lavender exosome increases even more significantly after 10 minutes of application and remains higher than the initial level over time, suggesting 5% Lavender exosome contributes to improved moisture retention.

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## CONTACT US

