

# WK Pep<sup>®</sup> Carnosine



WKPep®Carnosine is a natural endogenous dipeptide found in human muscles and brain tissues that has the powerful ability of anti-glycation, anti-oxidant and anti-aging to enhance the skin's natural defenses, repair photo-damaged skin and brighten skin. The remarkable anti-glycation effect is achieved by competitively inhibiting the combination of glucose and collagen, preventing protein glycation and reducing the production of AGEs. Moreover, there is antioxidant property that reduces free radical damage. Furthermore, the benefit of carnosine was proved that repairing the cells damaged by ultraviolet radiation improving cellular viability as well as rejuvenating senescent cells.

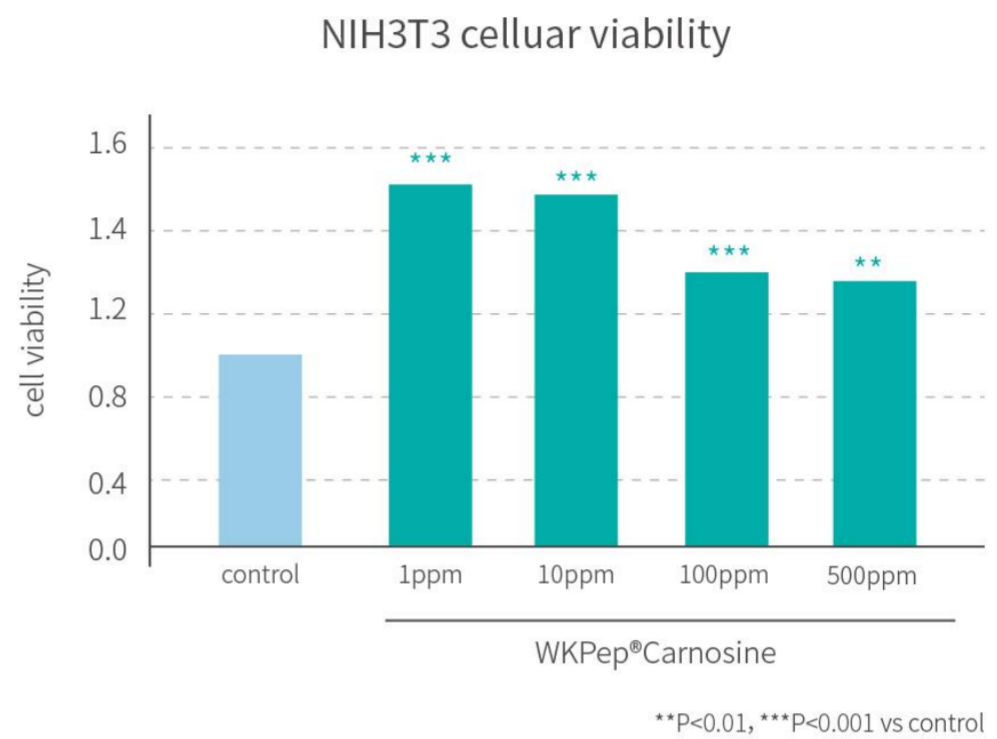
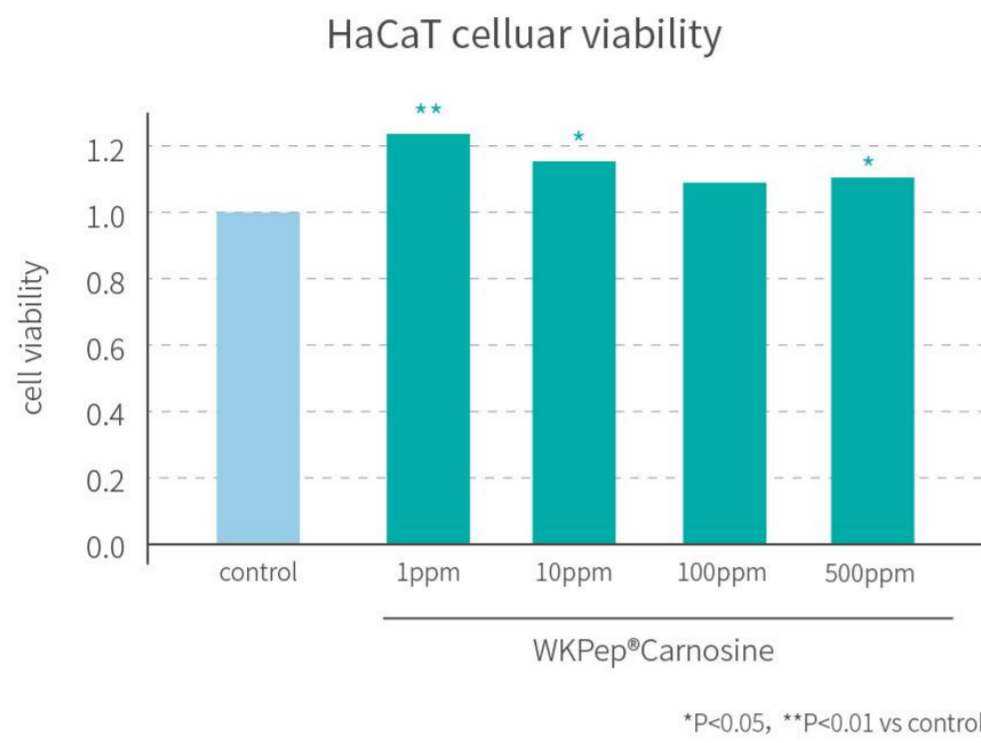
## PRODUCT DESCRIPTION

<b>INCI Name</b>	Carnosine
<b>CAS Number</b>	305-84-0
<b>Appearance</b>	White to almost off-white powder
<b>Purity</b>	≥98%
<b>PH</b>	7.5~8.5(1mg/ml)
<b>Recommended dosage</b>	0.05-2%
<b>Compatibility</b>	(1)Avoid the use of compounds containing aldehyde and ketones, metal ions, strong acids, strong bases, active enzymes. (2) Incompatible with copper peptide.

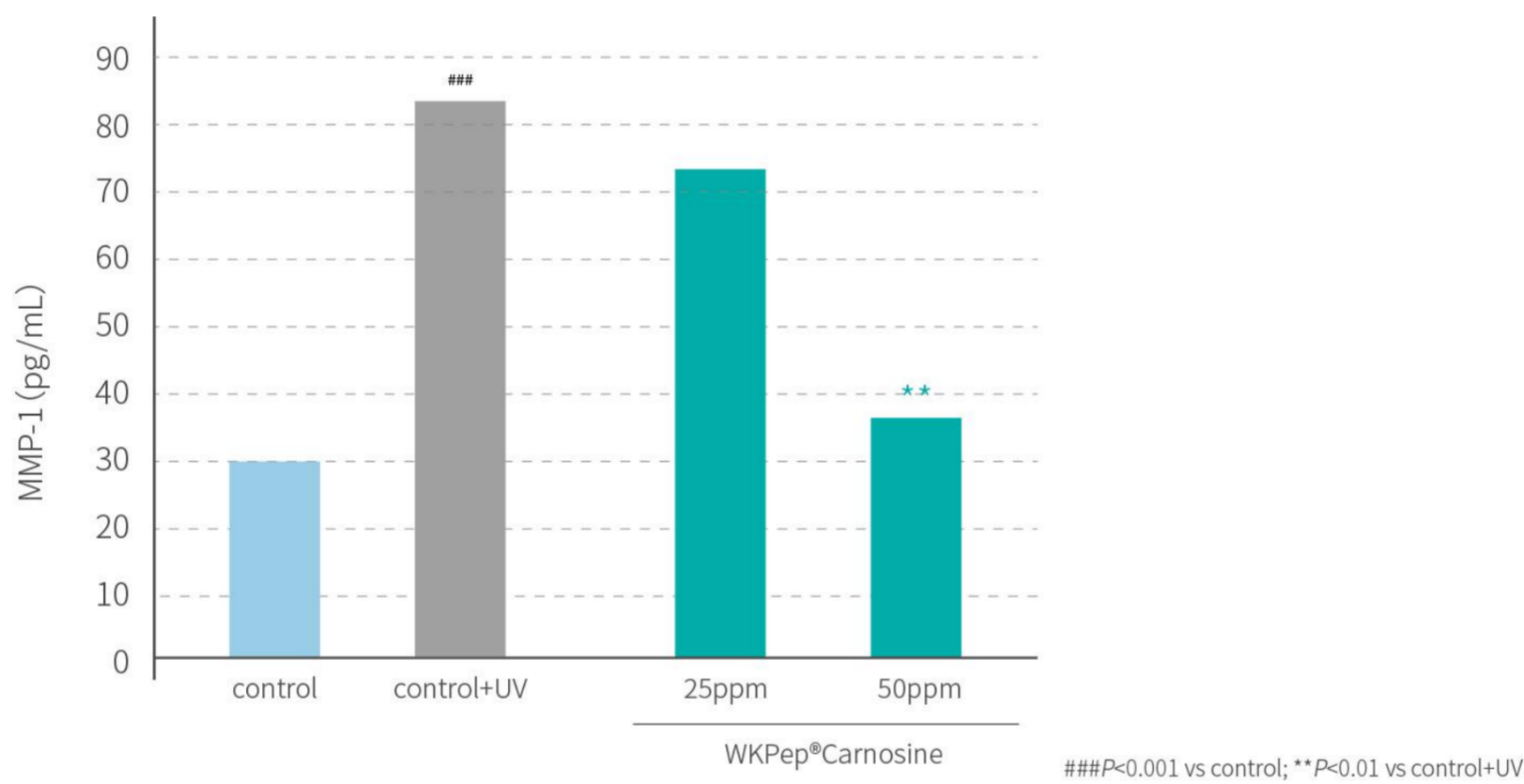
## EFFICACY TEST

### In vitro test

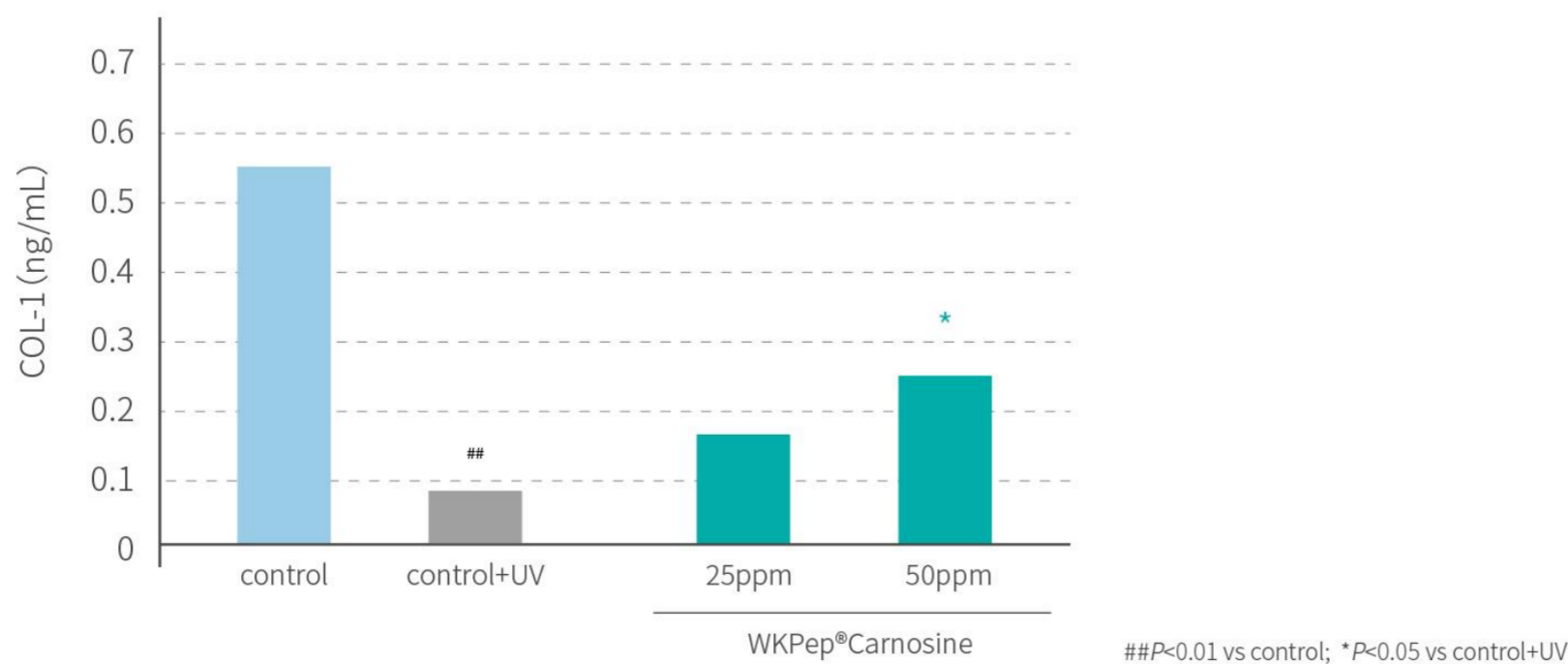
- Increase epidermis and dermis cellular viability



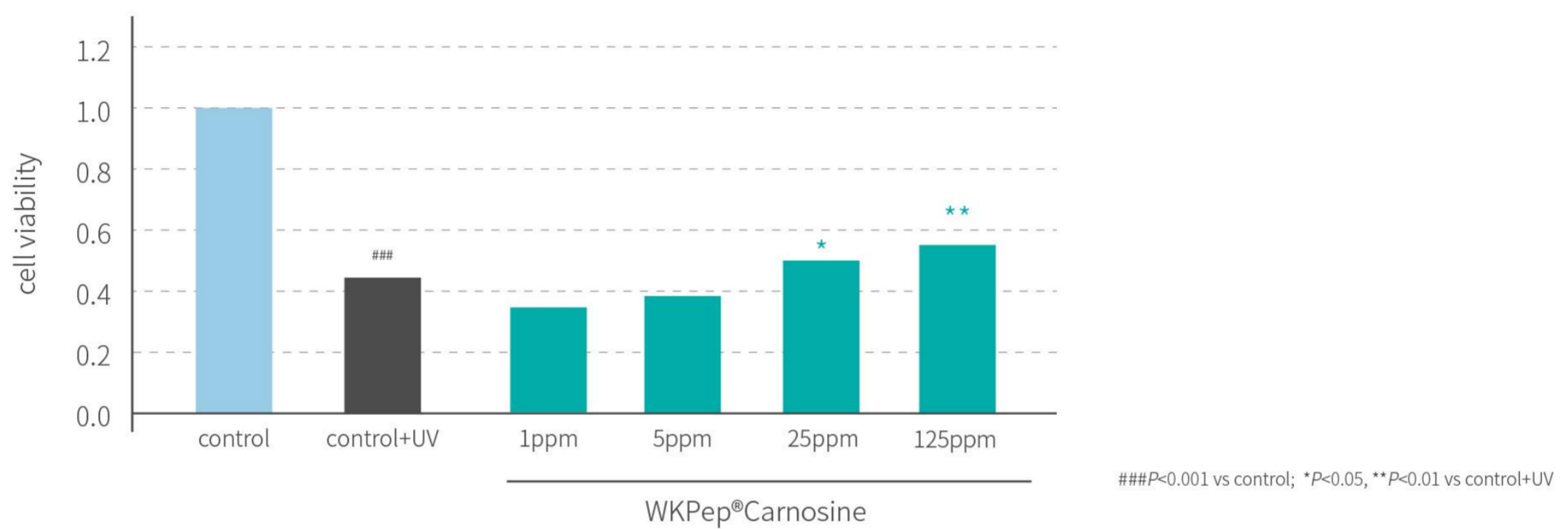
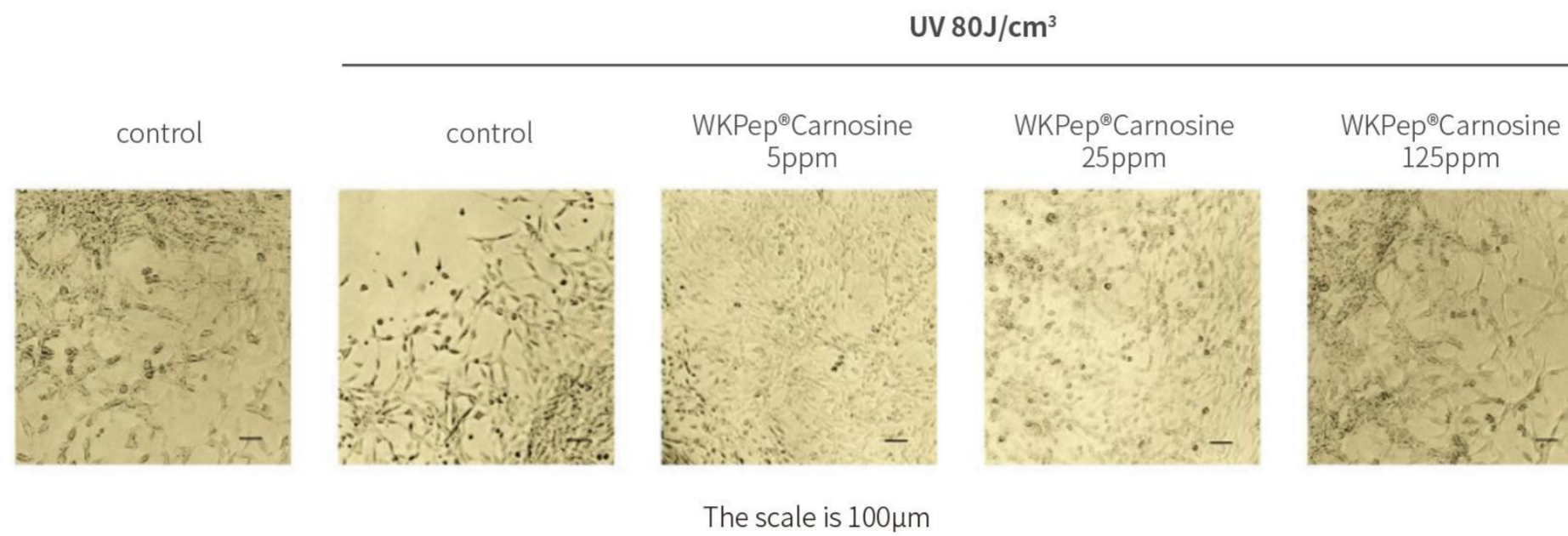
- Protect collagen by inhibiting the production of MMP-1



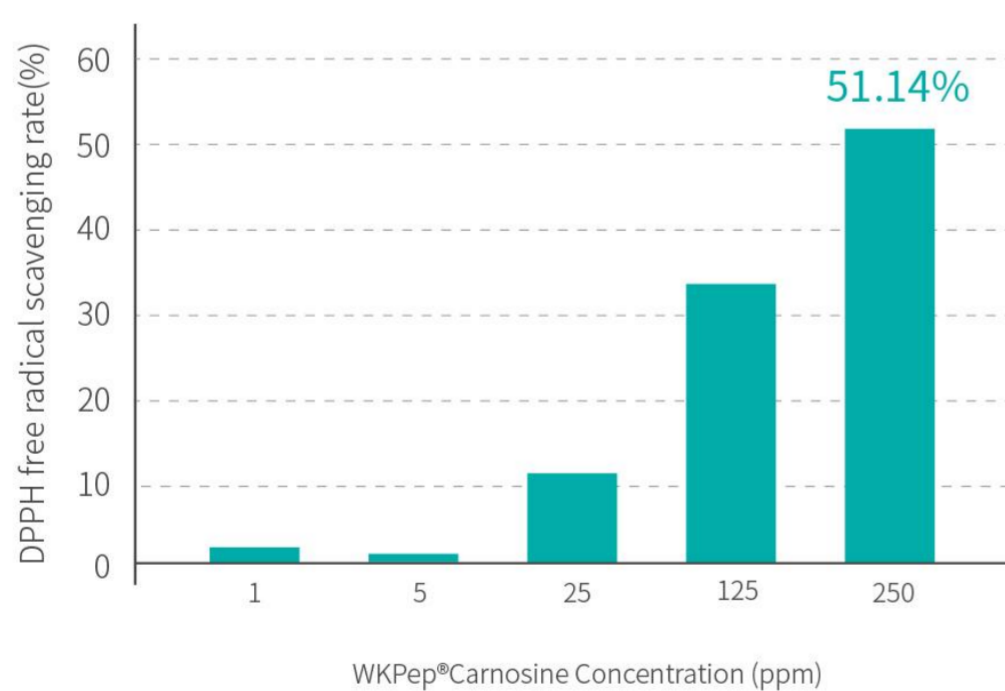
- Stimulate production of collagen in the cell after UV irradiation



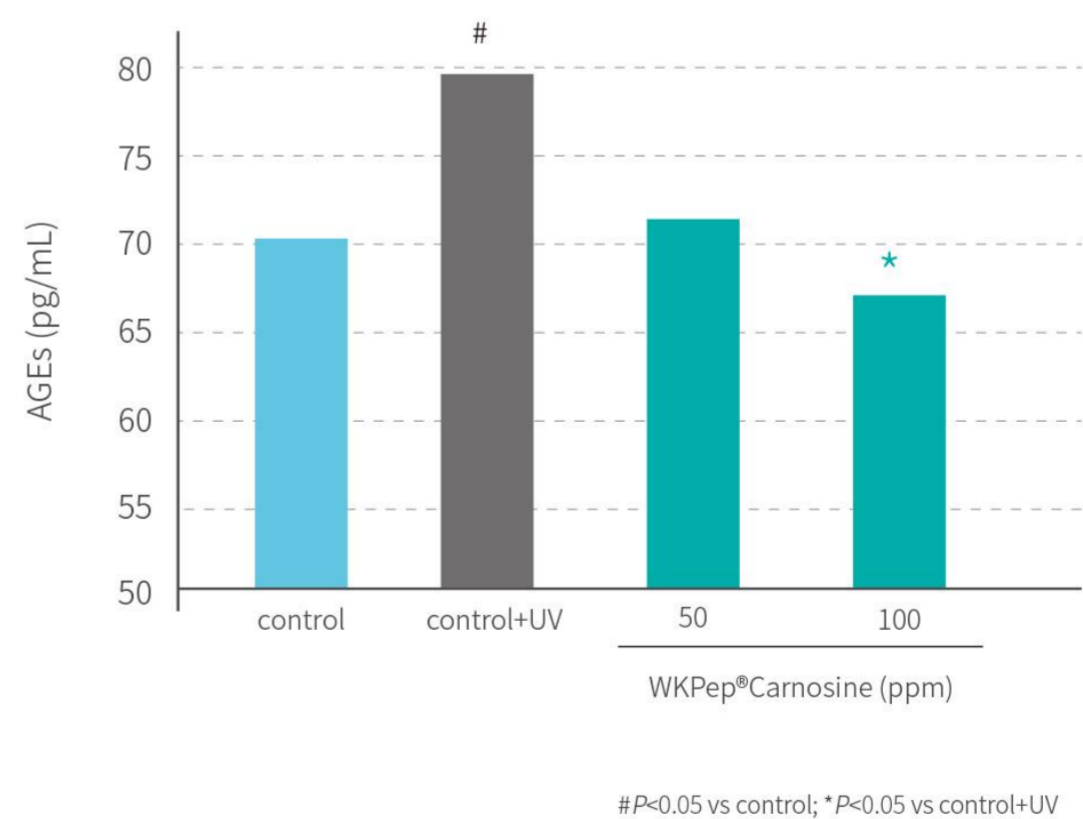
• Repair photo-aging cells



• Effectively scavenge DPPH



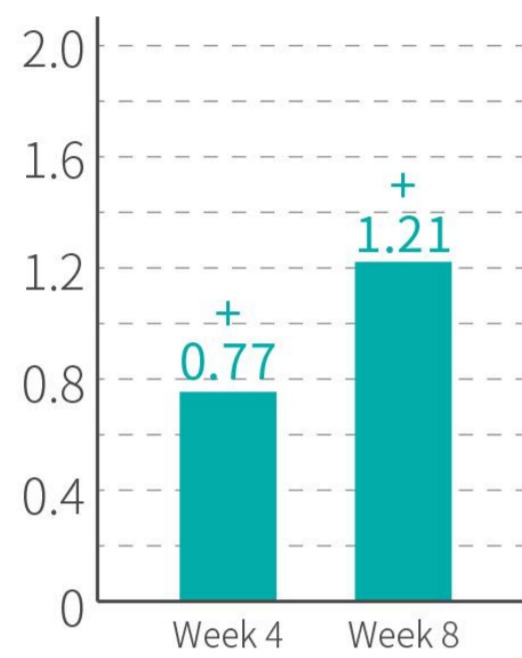
• Anti-glycation by reducing AGEs production



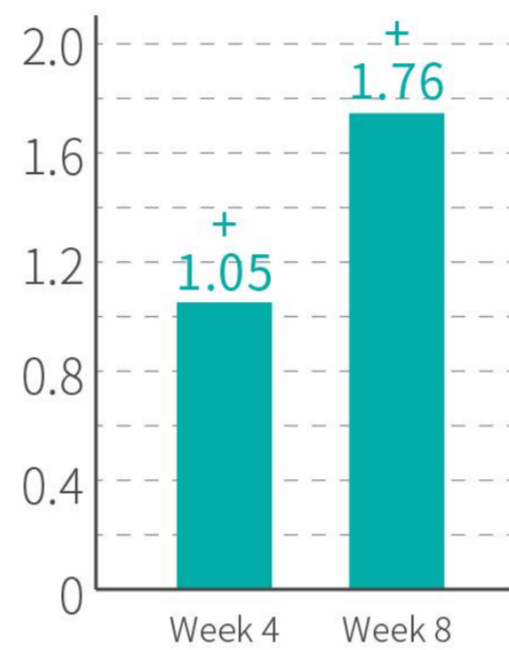
## In vivo test

Test protocol

- 24 volunteers, female
- A lotion containing 0.5% WKPep<sup>®</sup>Carnosine was applied on face, twice daily (morning and evening) for 56 days, tested skin chroma via colorimeter, took the photos via Visia.



L\* value improvement



ITA° value improvement

"+" :significant difference ( $p \leq 0.05$ ); "--" : non-significant difference ( $p > 0.05$ )

**Value of L\* and ITA° value significantly increases at tested area after 4 & 8 weeks.**

WEEK 0

WEEK 8



- ✓ **Brighten the skin**
- ✓ **Reduce the spots**
- ✓ **Improve redness**



**Contact us**

Email: sales@winkey-china.com

Add: Room315-317, No.8 Qide Road, Baiyun District, Guangzhou, China

Webiste: www.winkey-china.com