

Efficacy evaluation

2 Smooth skin

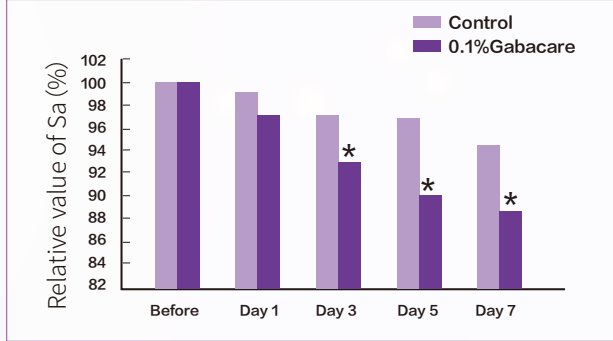


Fig.6 Anti-wrinkle effects of 0.1%Gabacare facial mask

Facial masks containing 0.1% Gabacare were applied for a week evaluating the average wrinkles depth every two days. The results show that the anti-wrinkle effect is very significant with the facial skin becoming smoother and more elastic.

4 Sensory evaluation

Gabacare containing cream has obvious anti-aging effects. When volunteers used the eye cream for 30 days, the fine lines around the eyes disappeared, deep wrinkles reduced and the skin elasticity increased. As a main effect, the skin became smooth, pigmentation became weak and skin radiance increased.

3 Increase skin elasticity

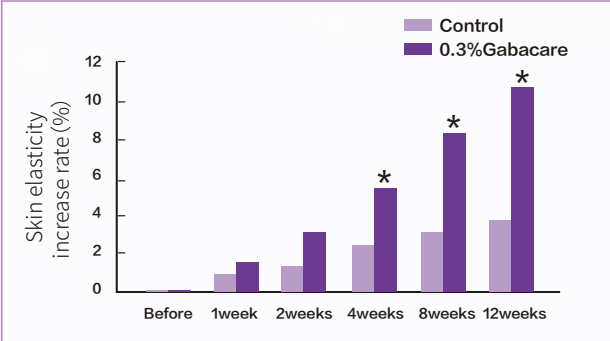


Fig.7 Comparison of skin elasticity variation

After 12 weeks of continuous use of the cream containing 0.3% Gabacare, the skin elasticity was significantly increased by roughly 10%. Skin appeared younger, more moisturized and tighter.

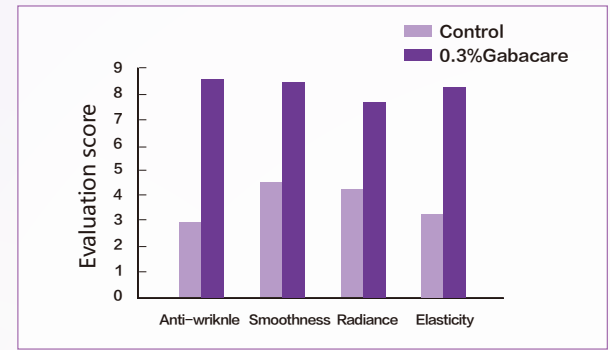


Fig.8 Performance comparison

Instructions	INCI name	Aminobutyric acid
	CAS No.	56-12-2
	Appearance	White or nearly white crystal or powder
	Recommended dosage	0.05%~0.3%
	Usage	Soluble in water, add directly to the aqueous phase
	Application	Suitable for face and body care anti-aging products



Gabacare™BL98T

Aminobutyric acid

Natural anti-aging factor

Naturally present in human body
Fermented by *Lactobacillus*
ECOCERT certified
Reduces wrinkles and smooths skin
Repairs the damaged skin
Promotes the synthesis of HA and collagen



CREATIVE TECHNOLOGY FOR VIBRANT LIFE

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THE SECRET TO STAYING YOUNG

Anti-aging mechanism of GABA

1

Reduce wrinkles

There are GABA_A receptors on the skin surface. The inhibitory or excitability of GABA_A receptors controls the relaxation and tension of the expression muscles. GABA can quickly penetrate into the skin and activate the GABA_A receptors, thus the tense expression muscles are relaxed so the expression lines are stretched.

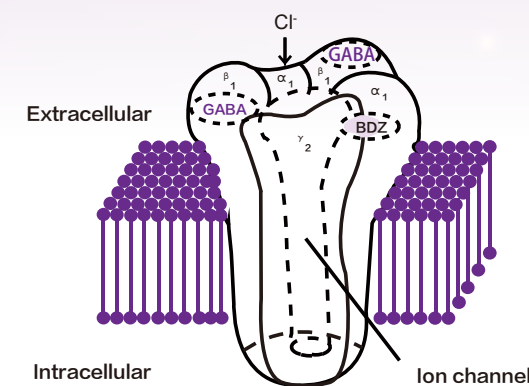
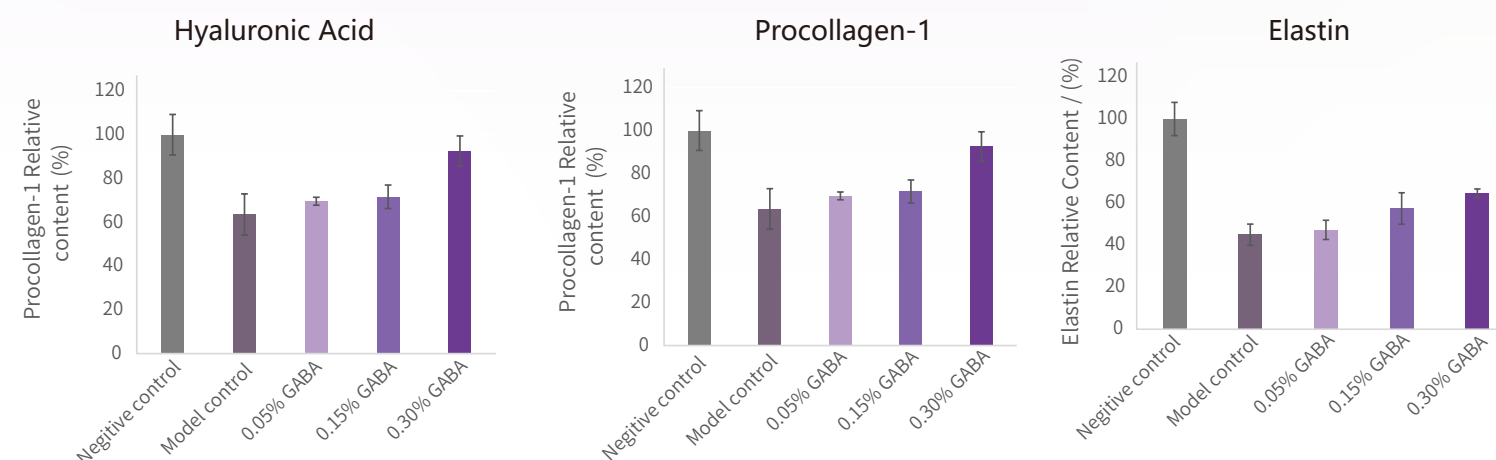


Fig.1 GABA_A receptor

2

Promote the synthesis of HA, collagen and elastin (in-vitro)



By H₂O₂ induced aging test model, 0.3% Gabacare can greatly promote fibroblast to synthesize HA, procollagen-1 and elastin by 35.5%, 45.8% and 43.8% respectively, compared with model control group.

Efficacy evaluation

1 Reduce wrinkles

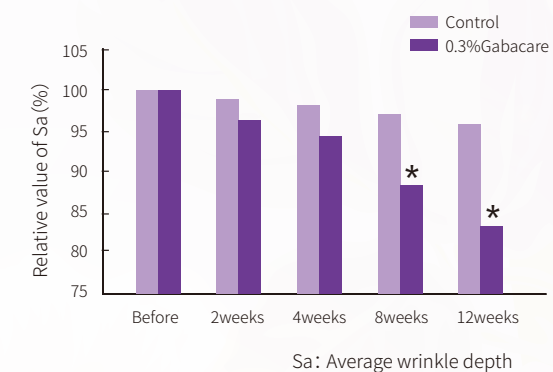
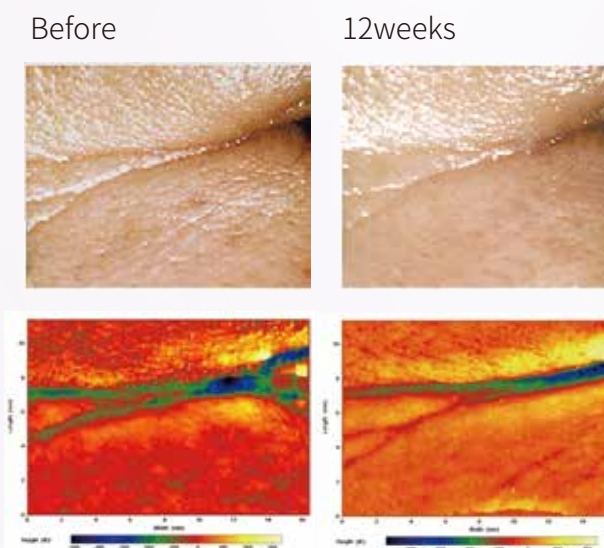


Fig.5 Anti-wrinkle effects of 0.3%Gabacare eye cream

The anti-wrinkle effect was obvious. The regular use of the eye cream for 8 weeks, the wrinkles reduced significantly. After 8 weeks, average depth of wrinkles can be reduced by 12%. After 12 weeks, average depth of wrinkles can be reduced by 17%.

★ Note: The only difference between control and test samples is the formula of test samples contains Gabacare.

Introduction

Gabacare™BL98T also known as γ-Aminobutyric Acid(GABA), a non-protein amino acid, is widely distributed in plants and animals, and plays an irreplaceable role for the regulation of the organisms' life activities.

With the lack of GABA, there will be a tendency for negative emotions. The most direct impacts of negative emotions on physical performance are on the skin that would gray and lose elasticity thus forming wrinkles, and so on.