

TECHNICAL DATA SHEET

Elix-ACT GABA

INCI Aminobutyric Acid

CAS 56-12-2



SPECIFICATIONS

Appearance	White crystalline powder
Assay (%)	99 min.

GENERAL INFORMATION

Elix-ACT GABA is a naturally occurring non-protein amino acid in plants, animals and the human body. In the human body it acts as an inhibitory neurotransmitter.

Applying Elix-ACT GABA to the skin causes the muscles to relax within minutes. It smooths the expressions lines due to its "Botox-like" effect.

In addition, Elix-ACT GABA stimulates the skin's own synthesis of hyaluronic acid, which leads to a formation of new collagen and supports the ability to repair the skin barrier.

Elix-ACT GABA can also stimulate the production and proliferation of skin protection peptides such as involucrin and glutathione in the epidermis. The proliferation of fibroblasts in the dermis is supported by the use of Elix-ACT GABA in cosmetic products.

FORMULATION AND RECOMMENDATIONS

We recommend adding Elix-ACT GABA directly to the aqueous phase.

Usage of 3.4 mg/L of GABA increases the production of epidermal cells up to 1.2 times. Usage of 12.5 mg/L of Elix-ACT GABA increases the production of involucrum up to 1.4 times.

Recommended concentration

0.05 – 0.5 %

Solubility

Soluble in water

BENEFITS

- Easy to handle
- Smooths the expression lines

APPLICATIONS

Cosmetics

- Skin care
- Hair care
- Body care
- Anti-aging products

SHELF LIFE

24 months under proper storage conditions