

# Cosmetic Ingredients

The ingredients of cosmetic products are main ingredients and auxiliary ingredients. Cosmetics are chemically mixed substances made from natural, synthetic or extracted substances with different effects, processed through production procedures such as heating, stirring and emulsification.



## About Cosmetic Ingredients

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- **Main ingredients**

This category of ingredients is used in large quantities and is usually the ingredient at the top of the full ingredient list with high content, such as water, ethanol, mineral oil, petroleum jelly, etc.

- **Skin care ingredients**

There are many ingredients in cosmetic products that have a skin care effect, with a variety of chemical properties that work through their own different principles to care for our skin, helping it to be more hydrated, firm, smooth,

brighter, etc. For example, salicylic acid and keratolytic enzymes that help exfoliate, superoxide dismutase (SOD) and vitamin C derivatives that are antioxidants.

- **pH-regulating ingredients**

Our skin and hair are in a weak acidic state under normal conditions. The pH of skin is about 4.5 to 6.5 (7 is neutral, less than 7 is acidic, more than 7 is alkaline), and the pH of hair is neutral to weakly acidic. In order to maintain the normal pH of the skin and hair, cosmetics need to maintain a certain pH level, but this does not mean that cosmetics must be within the pH range of the skin in order to work.

- **Preservatives**

Commonly used are methyl hydroxybenzene, butyl hydroxybenzene, ethyl hydroxybenzene, isobutyl hydroxybenzene, propyl hydroxybenzene, chlorophenol glycerol ether, sodium dehydroacetate, etc.

- **Cleansing agents**

Cleansing is a major category of cosmetic effects. It is mainly surfactants that play a role. For example, sodium lauroyl glutamate, sodium lauroyl sarcosinate and sodium lauroyl collagen amino acid commonly used in amino acid facial cleansers.

## Characteristics of Cosmetic Ingredients

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- **Broadness**

Any substance that has a cleansing, protective, nourishing, therapeutic and beautifying effect on human skin, hair, nails and other external organs can be selected.

- **Effectiveness**

The selection of cosmetic ingredients should play a truly effective role in cosmetics.

- **Specificity**

There are many different kinds of cosmetics, and the composition of the ingredients should be selected in a targeted manner according to the effect that the cosmetics will ultimately reflect.

- **Compatibility**

Cosmetics itself is a complex multifunctional system, which requires good compatibility of raw materials in the compounding system, thus ensuring the stability of the physical and chemical system.

- **Speciality of raw materials**

Some cosmetics have special functions and therapeutic effects, they are achieved by adding raw materials with special efficacy, which requires a special role to choose.

Source: <https://www.formulationbio.com/products/cosmetic-ingredients.html>