

► Shandong Runhan Biotechnology Co Ltd

Rolvanferm is a comprehensive biotechnology company integrating research, production, marketing, international trade.

Rolvanferm™, driven by synthetic biology technology, is committed to providing high-quality functional ingredients and innovative solutions to global customers in personal care and life health sectors, thereby bringing beautiful and delightful new life experiences to humanity.

✓ Industry Recognition

Member of China Association of Fragrance Flavour and Cosmetic Industries, Member of China Biotech Fermentation Industry Association, Executive Member of Jiangnan University, Member of Shandong Cosmetic Industry Association, etc

✓ Source Manufacturer

A large-scale automated production line with an annual production capacity of 5,000 tons

Authoritative Certifications

We have obtained several international certifications, including 1S022000, ISO9001, KOSHER, HALAL, COSMOS, and more

✓ Plant-Based Ingredients

We specialize in the production of natural plant-based ingredients to mitigate issues such as nuclear wastewater pollution and chitosan allergies

✓ Green Fermentation

We are committed to green fermentation, revolutionizing traditional high-pollution processes

Service Supreme

► Service System



We stand by you 24/7, providing rapid responses and giving our full

leticulous Precisio **Sincere Devotion** With automated production lines

and efficient processes, we ensure lightning-fast deliveries while providing end-to-end tracking.



WWW Product Quality



Attention to detail, where quality is our mission. We maintain tradition while fostering innovation, pursuing excellence with craftsmanship every step of the way.

With utmost sincerity and trustworthiness, we offer tailored solutions through open communication, and we are committed to taking action to serve you better

Service Quality







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Acetyl Glucosamine

cosmetic grade



Nourishing Life Preserving Time

► ROLVANFERM TM ACETYL GLUCOSAMINE

N-Acetylglucosamine, also known as acetyl glucosamine in skincare area, is included in the International Nomenclature Cosmetic Ingredient (INCI) for cosmetic raw materials.as well as the 'Catalog of Cosmetic Raw Materials in Use (2021 edition)' published by the National Medical Products Administration.

RolvanfermTMAcetyl Glucosamine, co-developed by Runhan Biotechnology and Jiangnan University, is a high-quality multifunctional moisturizing agent known for its excellent skin hydration capabilities due to its small molecular size and superior transdermal absorption.

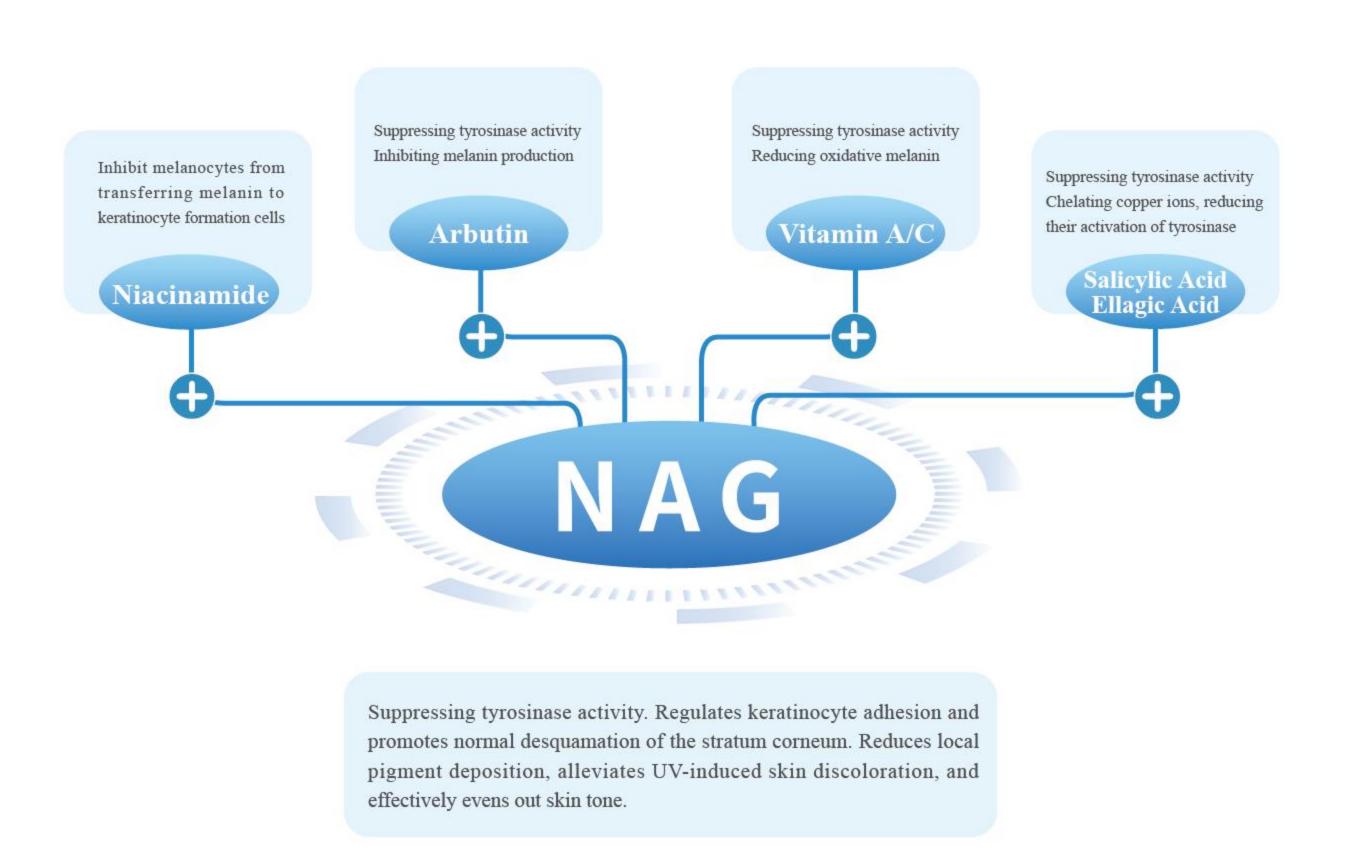
RolvanfermTMAcetyl Glucosamine is the first of its kind in China to achieve international certifications such as EU COSMOS, KOSHER, HALAL, among others. The product is known for its safety, quality, traceability, and production scalability. It offers a green and sustainable supply chain solution that isn't constrained by resources.

Market Analysis

The use of Acetyl Glucosamine in international brands is highly mature and it is considered a classic moisturizing ingredient in many high-end skincare products. As the market evolves, Acetyl Glucosamine is gradually finding its way into high-end beauty and premium haircare products.

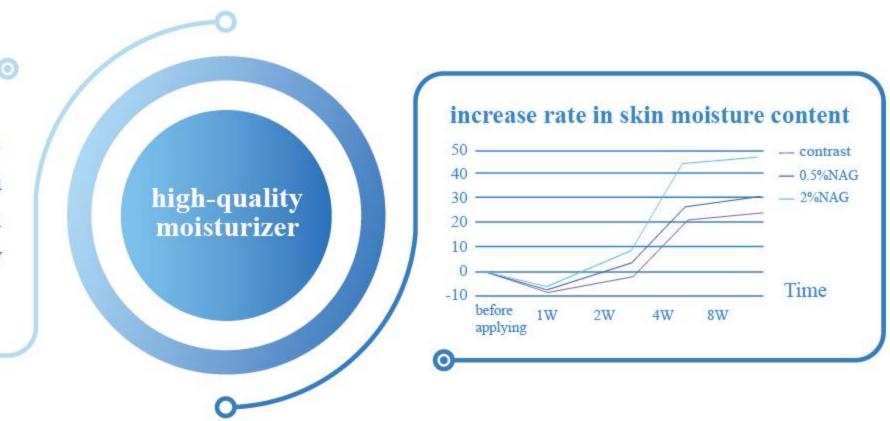
RolvanfermTM Acetyl Glucosamine boasts strong stability and can be easily combined with various ingredients like niacinamide and arbutin. It finds wide applications in the formulations of creams, lotions, face masks, serums, and other skincare products.

Synergistic Effect

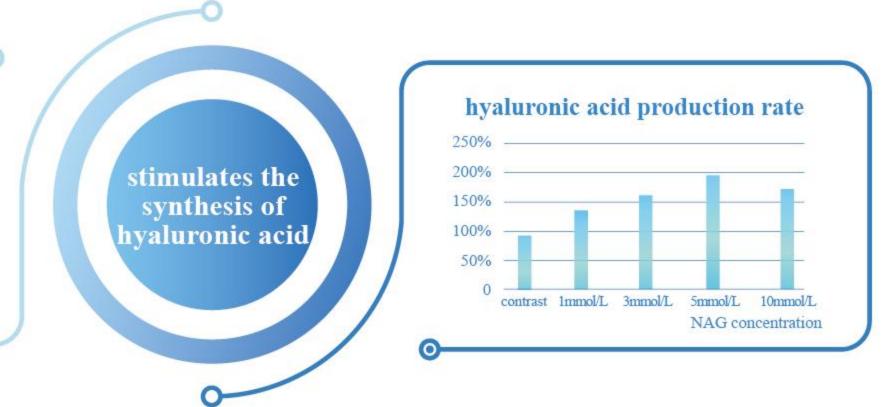


Product Features

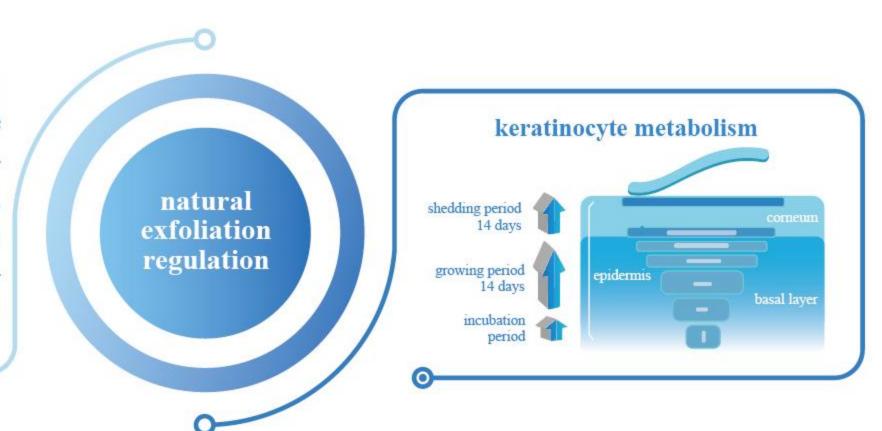
Acetyl Glucosamine exhibits excellent transdermal absorption and enhances skin's hydration function, making it a high-quality moisturizer.



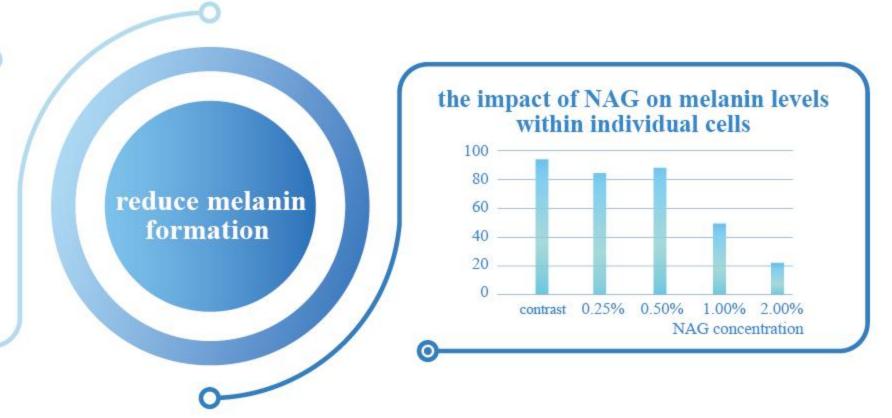
Acetyl Glucosamine can enhance the activity of hyaluronic acid synthase (HAS), promote the synthesis of hyaluronic acid, and increase the hyaluronic acid content in the skin.



Acetyl Glucosamine can promote the normalization of glycoprotein metabolism on the surface of keratinocytes, allowing the outermost layer of the stratum corneum to naturally exfoliate, thus playing a role in natural exfoliation regulation.



Acetyl Glucosamine can inhibit tyrosinase maturation, reduce melanin formation, fade skin blemishes, and effectively even out skin tone.



Acetyl Glucosamine can reduce the damage of free radicals to the skin, providing anti-wrinkle and anti-aging benefits while enhancing the skin's tissue repair capacity.



ROLVANFERM TM ACETYL GLUCOSAMINE

(cosmetic grade)

Product Specifications

Alternative Names

Chemical Name: N-Acetylglucosamine
English Name: N Acetyl Glucosamine
INCI Name: Acetyl Glucosamine

Product Description

CAS: 10036-64-3

Molecular Formula: C8H15NO6

Molecular Weight: 221.21

Usage Instructions

Add directly to the aqueous phase, it has high solubility, and thorough dissolution can be achieved through stirring.

Recommended Usage Amount

0.5%~2%

Product Parameters

Physical properties		Microbiological criteria	
Color	White	Total bacteria count	≤1000cfu/g
State	Uniform crystalline powder	Yeast and molds	≤100cfu/g
Odor	No specific odor	Escherichia coli	Negative/g
Water solubility	Solution is colorless, transparent, and free from suspended particles	Salmonella	Negative/g

Physical and chemical parameters				
Content	98.0%~102.0%	Transmittance	≥97.5%	
Optical rotation	+39.0° ∼ +43.0°	Whiteness determination	≥98.00%	
Melting point	196.0℃~205.0℃	Chloride content	≤0.1%	
pH value	$6.0 \sim 8.0$	Sulfate content	≤0.1%	
Loss on drying	≤0.5%	Lead content	≤10ppm	
Ignition residue	≤0.05%	Iron content	≤10ppm	
Conductivity	≤4.50us/cm	Arsenic content	≤0.5ppm	

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The product packaging label should comply with the requirements of GB7718 and the National Quality Inspection Administration's No. 123 (2009) "Food Labeling Management Regulations." Packaging and storage markings should conform to the provisions of GB/T191-2008. The product should clearly indicate product name, batch number, production date, and other traceability information.

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Storage

This product should be sealed in its original packaging and stored at room temperature or under refrigeration conditions. It should not be stored together with toxic, harmful, odorous, volatile, or corrosive substances.

Shelf Life

Under normal temperature conditions, the unopened product has a shelf life of 24 months. After opening, it should be used as soon as possible.