

Sclerotium Gum FG6001

FG6001 is a specific type of sclerotium gum produced by the fermentation of the filamentous fungus *Sclerotium rolfsii*. It is highly water-soluble, forming clear and viscous solutions when dissolved in water. Due to its efficiency as a thickening agent, emulsifier and stabilizer, FG6001 is used in numerous cosmetic and personal care formulations.

technical data sheet

Specification

Appearance	Creamy white powder
Viscosity, 0.2%, CPS	35 – 70 ^[a]
Viscosity, 0.5%, CPS	130 – 250 ^[b] ***
pH value, 0.2%	5.5 - 8.0
Refractive Index, RI, 0.2%	1.34±0.1000
Total plate count, cfu/gm	Max. 1x10 ³
Yeast & Mol, cfu/gm	Max. 1x10 ²
Loss on Drying, %	Max. 15

[a] Brookfield Modle; RVDV-I Prime, spindle #2@100 rpm
 [b]Broofield viscometer DV-I Prime, spindle #2@50 rpm

The asterisk (*) symbol signifies that the product exhibits shear sensitivity, with viscosity values at high concentrations being subject to significant fluctuations over time. Until a sufficient amount of batch data becomes available, the company reserves the right to make adjustments and revisions to the COA (Certificate of Analysis) range values at any time.

Packaging & Storage

Standard Packing Storage	10 kg box Each unit is labeled with product name and lot number. Store in a cool, dry area for optimal shelf life.
Handling	For safe handling of this product, please refer to the Safety Data Sheet (SDS).

Shelf Life

Shelf Life	2 years
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Usage & Application

Typical Dosage Application	0.1 to 2% <ul style="list-style-type: none"> - Thickening agent: increases viscosity, providing a desirable texture and improving product spreadability. - Stabilizer: helps maintain the uniformity and consistency of emulsions. - Emulsifier: facilitates the emulsification of oil and water-based ingredients, ensuring proper dispersion and stability. - Film-Forming Agent: forms a thin, flexible film on the skin's surface, imparting a smooth and velvety feel. - Moisturizer: has moisturizing properties and helps retain moisture on the skin's surface. It is often used to provide hydration and improve skin barrier function.
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Regulatory Information

CAS No.	39464-87-4
HS Code	3913.90
Country of Origin	Made in China

Date Updated: Oct 10, 2023

Disclaimer: The information provided in this document is based on tests that we believe to be reliable. However, the results of these tests may vary under different conditions and methodologies. It is the responsibility of the prospective user to determine the suitability of our products for their specific use. The user is responsible for ensuring that their use of our products, as well as their workplace practices, are in compliance with all applicable laws and regulations.

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