

Biopolymer GA8003

GA8003, a premium grade Hydroxyethylcellulose (HEC), which is a non-ionic, water-soluble polymer derived from cellulose through etherification. It is widely used as a thickener, stabilizer, and emulsifier in various industrial applications, including cosmetics, pharmaceuticals, and construction. HEC offers excellent thickening efficiency, film-forming capability, and enhances water retention, making it a versatile ingredient in many formulations.

technical data sheet

Specification

Appearance	White or yellowish powder
Viscosity, 2%, 25degC, Brookfield LV, mPa.s	150 - 450
Moisture, %	Max. 6.0
pH value	6.0 - 8.5
Ash, %	Max. 6.0

Packaging & Storage

Standard Packing	50 lb bag, 40 bags per pallet 25 kg bag, 40 bags per pallet
Storage	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	0.1 to 1%
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Applications

- Personal Care and Cosmetics (Hair Care Products, Skin Care Products, Toothpaste)
- Pharmaceuticals (Topical Formulations, Eye Drops)
- Construction and Paints (Paints and Coatings, Tile Adhesives, Cement and Plasters)
- Household Products (Detergents and Cleaners, Liquid Soaps)
- Oil and Gas Industry (Fracking Fluids, Drilling Mud)
- Textile Industry (Printing, Finishing)
- Paper Industry (Paper Coating)
- Agriculture (Pesticide and Herbicide Formulations)

Regulatory Information

CAS No.	9004-62-0
HS Code	3912.39
Country of Origin	Made in China

Date Updated: Aug 15, 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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