

BioPolymer GA1010

BioPolymer GA1010 is a polysaccharide produced by the bacterium *Xanthomonas campestris*. It's composed of repeating units of five sugars, with trisaccharide side chains and acetyl and pyruvate groups contributing to its unique properties. It's known for its high viscosity, stability across a wide range of temperatures and pH levels, and pseudoplasticity

technical data sheet

Specification

Starch, Guar, or Other derivatives	Off white flowing powder
Moisture, %	Max. 13
Sieve analysis, less than 425 um, %	Min. 95
Sieve analysis, less than 75 um, %	Max. 50
Viscosity, rotational viscometer, 300 rpm, dial reading	Min. 55
Viscosity, rotational viscometer, 6 rpm, dial reading	Min. 18
Viscosity, rotational viscometer, 3 rpm, dial reading	Min. 16
Viscosity, Brookfield Viscometer with LV-1 Spindle @ 1.5 rpm, cP	Min. 1950

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%
Applications	It is used in oil drilling, wastewater treatment, and soil stabilization. It serves as a thickener in textiles and paper industries, aids in creating biohybrid materials in biomedicine, and helps retain moisture and prevent erosion in agriculture.

Regulatory Information

CAS No.	11138-66-2
HS Code	3913.90
Country of Origin	Made in China

Date Updated: Nov 25, 2021

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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