

Akucell® Cellulose Gum

For food and beverage

AKUCELL® CELLULOSE GUM

Nouryon

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Our Akucell product line is a full range of high-performance cellulose gums produced to strict quality standards at our FSSC 22000 certified facility in the Netherlands.

The Akucell® cellulose gum is widely recognized food ingredient globally. Easy-to-tailor ability combined with efficient performance makes them attractive choice for many food applications.

Key benefits

- Improves mouthfeel and provides body
- Protects protein
- Provides dough strength
- Retains moisture
- Controls crystal growth
- Film forming capability
- Cold and hot water soluble
- Freeze and thaw stable
- Low caloric value

The key functionalities of Akucell® cellulose gum in some of the food and beverage applications are presented in the table below:

Application	Key functionality
Acidified protein beverages	Protects proteins in low pH environment Provides body and mouthfeel
Neutral protein beverages	Improves mouthfeel and adds body
Fruit flavored beverages	Stabilizes, provides body and mouthfeel, prevents oil ringing
Beverage mixes	Hydrates quickly, provides mouthfeel and stabilization
Bakery products	Extended freshness and shelf life Improves dough strength and stabilization
Gluten-free products	Retains moisture, increases shelf life and imparts texture
Processed meat	Processing aid (peeling, lubricating and binding) of sausage casing
Frozen desserts	Controls ice crystal growth, improves mouthfeel



Product overview

Akucell® cellulose gums come in a very wide range of viscosities and other characteristics. Cellulose gums can therefore be selected to precisely meet your desired mouthfeel, while also providing other critical functionalities such as stabilizing proteins and reducing fat absorption.

Cellulose gums are the most effective ingredients to replicate the taste and texture of fat, sugar and gluten, so consumers are always able to enjoy the sensations of even healthier options.

All Akucell® cellulose gum products are produced in our FSSC 22000 certified facility in The Netherlands. Akucell® cellulose gum products are Kosher and Halal certified and are produced with renewable, biodegradable raw materials under high quality standards.



				Powder form		
	Product	Viscosity, mPa.s*	Solution conc, %	Std	Granular	Fine
Low viscosity Akucell® grades	Akucell® AF 0305	10 - 15	1	•		
	Akucell® AF 1505	40 - 70	1	•		
	Akucell® AF 1705	70 - 110	1	•		
Medium viscosity Akucell® grades	Akucell® AF 1985	110 - 200	1	•		
	Akucell® AF 1995	100 - 300	1	•		
	Akucell® AF 2085	200 - 400	1	•		
	Akucell® AF 2205	300 - 500	1	•		•
High viscosity Akucell® grades	Akucell® AF 2405	800 - 1200	1	•		•
	Akucell® AF 2785W	1500 - 2500	1	•		•
	Akucell® AF 2805W	2500 - 4500	1	•		
	Akucell® AF 2985	4500 - 8000	1	•		
Thixotropic Akucell® grades	Akucell® AF 3265	5000 - 12000	1	•		
	Akucell® AF 3275	3000 - 9000	1	•		
	Akucell® AF 3285	10000 - 15000	1	•		

* in 1% solution, Brookfield LV, 30 rpm, 25°C

Contact us directly for detailed product information and sample request
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Nouryon

Nouryon is a global, specialty chemicals leader. Markets and consumers worldwide rely on our essential solutions to manufacture everyday products, such as personal care, cleaning goods, paints and coatings, agriculture and food, pharmaceuticals, and building products. Furthermore, the dedication of approximately 8,200 employees with a shared commitment to our customers, business growth, safety, sustainability and innovation has resulted in a consistently strong financial performance. We operate in over 80 countries around the world with a portfolio of industry-leading brands. Visit our website and follow us @Nouryon and on LinkedIn.

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September 2026

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