

Carboxymethyl Cellulose (CMC)

Cellulose-derived thickener and stabilizer for qualified food and beverage formulations.

CAS No. 9000-11-7	EC / List No. 618-326-2	Transport Non-dangerous goods
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Product Information

Cellulose-derived thickener and stabilizer for qualified food and beverage formulations.

Specifications

Parameter	Specification
Appearance	White to yellow powder
Viscosity, 1% solution	≥1,000 mPa·s
Degree of substitution	0.7–0.9
pH, 25°C	6.5–8.5
Moisture	≤10.0 %
Purity	≥99.5 %
Heavy metals, as Pb	≤10 ppm
Iron	≤2 ppm
Arsenic	≤3 ppm
Lead	≤2 ppm
Mercury	≤1 ppm
Cadmium	≤1 ppm
Total plate count	≤500 CFU/g
Yeast and moulds	≤100 CFU/g
E. coli	Absent in 1 g
Coliform bacteria	Absent in 1 g
Salmonella	Absent in 25 g

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	Cellulose derivative
Molecular weight	Polymeric material

Applications

Beverage and dairy-alternative stabilization: Thickener and suspension aid for qualified juice, yogurt and soy-based drink formulations.

Frozen-dessert formulation: Stabilizer for suitable ice cream and frozen-dessert systems.

Noodles and bakery formulations: Texture and processing ingredient for selected noodle, biscuit and bakery concepts.

Packaging / Storage

Item	Information
Packing	25 kg bags or 1,000 kg jumbo bags
Storage	Store tightly closed in a cool, dry, well-ventilated place. Protect from moisture, excessive heat, direct sunlight and incompatible chemicals.
Shelf life	Two years in intact original packaging stored cool and dry.
Handling	Control airborne dust with effective extraction. Wear protective gloves, safety goggles and work clothing; control ignition sources where combustible dust may accumulate. Remove spills dry where practical, because wet material can be slippery.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
Shanghai office	Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China
Telephone / Email	+86-21-54265599 / sales@zxchem.com.cn
Website	www.zxchem.com