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**Sodium Carboxymethyl Cellulose (CMC)
Polyanionic Cellulose (PAC)**

YUCMC Co., Ltd.



INTRODUCTION

Equipped with three independent workshops & closed lines;
DCS-automated production ensuring quality stability;
GMP packaging & standard application lab for customizable customer solutions.



Investment



Annual Output



Cover Area



**SODIUM
CARBOXYMETHYL
CELLULOSE**



Food Grade CMC

In Food Industry

Thickening, Stabilizing, Water-holding,
and Emulsifying Properties

【Fruit Juice】

Maintain the uniform stability and good taste of the juice. ●

Addition amount: ●

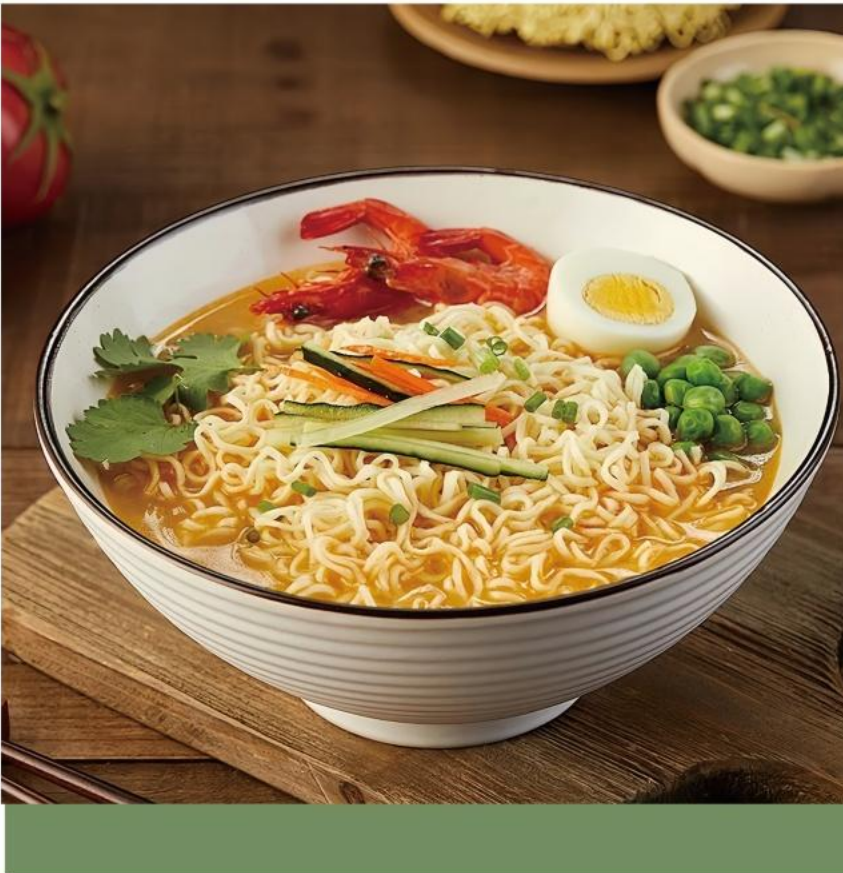
Juice-type beverages/tea beverages: 0.1% - 0.3%

With pulp or acidic juice: 0.3% - 0.5%

【Instant Noodles】

Improve dough toughness and taste ●

Addition amount: 0.1% ~ 0.5% ●



【Baked Goods】

● Retain water and keep soft, delay starch aging

● Addition amount: 0.1%-0.3%

【Ice Cream】

● Inhibits ice crystal growth, improving the fineness of taste, and slowing down melting.

● Addition amount: 0.1% - 0.3%



YuCMC Food Grade CMC: FH6, FVH6, FH9,
FVH9, FL6, FL30, FL50, FL100, FM6, FM9 etc.

Our CMC products can be granulated into
different particle sizes.



In Toothpaste Industry

Thickening, Stabilizing, Dispersing, Moisturizing

- Improve viscosity and fluidity, maintaining shape stability.
- Suspends abrasives in toothpaste, preventing sedimentation.
- Absorb and retain moisture, maintains the softness and spreadability.

YuCMC Toothpaste Grade CMC: TH9, TH10, TH12, TH8, 9H1000, 9H3000 etc.

TOOTHPASTE GRADE CMC

PHARMACEUTICAL GRADE CMC

In Pharmaceutical Industry

Thickening, Suspending, Adhesion, Sustained-release & Water Retention

- Water absorption, expansion without dissolution, good disintegration.
- Control the exudation of wound tissue fluid and accelerate wound healing.

YuCMC Pharmaceutical Grade CMC: PM7, PH7 etc.



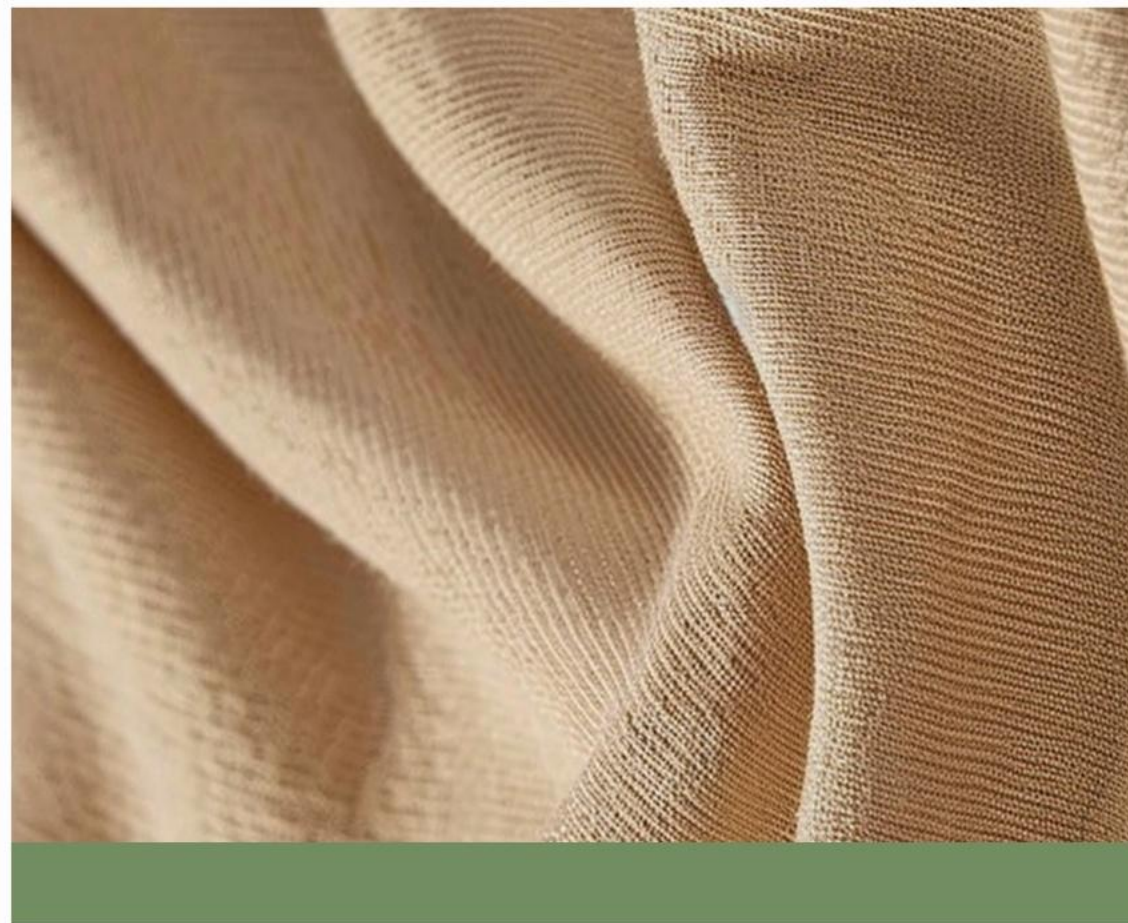
PETROLEUM GRADE CMC

In Petroleum Industry

Thickening, Fluid loss reduction, Suspension

- Improve the viscosity of drilling fluid to prevent rock debris deposition.
- Reduce drilling fluid filtration and maintain wellbore stability.
- Can be used as a high salinity drilling fluid to suppress clay swelling.

YuCMC Petroleum Grade CMC: PAC-HV, PAC-LV, CMC-HV, CMC-LV



PRINTING DYEING GRADE CMC

In The Textile Printing And Dyeing Industry

Thickening, Dispersing, Stabilizing, Film-Forming

- Ensure even distribution of the slurry and maintain clear and sharp patterns.
- Prevent dye aggregation and precipitation, reduce color difference
- Improve yarn strength and smoothness, reduce breakage rate

YuCMC Printing Dyeing Grade CMC: 10H2500, 10H3000, 15H1500, 18H800 etc.



CERAMICS GRADE CMC

In Ceramics Industry

Binding, Suspension, Deflocculation and Water Retention

- Enhance the plasticity of the clay material , Increase the binding strength of the clay body.
- Promote uniform evaporation of moisture in the clay body to prevent drying cracks.
- Prevent fine particles from settling to ensure the glaze is uniform and does not stratify.
- Improve fluidity while enhancing adhesion.

YuCMC Printing Dyeing Grade CMC: 10H2500, 10H3000, 15H1500, 18H800 etc.

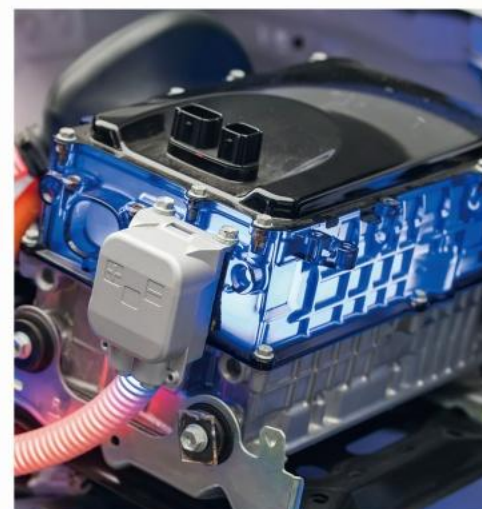
BATTERY GRADE CMC

In Battery Industry

Binding, Suspension, Deflocculation and Water Retention

- Control the slurry viscosity and optimize the coating process.
- Improve the mechanical strength and stability of the electrode.
- Ensure uniform slurry coating and reduce battery internal resistance.

YuCMC Battery Grade CMC: FR500(BVH3000), FR2200(BVH2000), FR1390(BVH1300), BVH300, BVH5000 etc.



PAPERMAKING GRADE CMC

In Paper Industry

Adhesion, Thickening, Dispersion and Water Retention

- Improve the uniformity of coating and enhance the gloss of paper.
- Improve the viscosity and fluidity of pulp and improve production efficiency
- Maintain the wettability of coating and prevent cracks on the surface of paper.

YuCMC Papermaking Grade CMC: FR20, FR10, FR5



COATING GRADE CMC

In Coating Industry

Thickening, Dispersing And Stabilizing

- Prevent coating separation due to temperature changes.
- Ensure that the coating does not settle during storage.
- Improve the rheology and viscosity of the coating.
- Improve the durability of the coating.

YuCMC Coating Grade CMC: SR2000, SR3000

OTHER INDUSTRIAL GRADE

• Washing Grade



• Tobacco Grade



• Building Grade



• Mining Grade



YUCMC HISTORY

- **1987** Xinguang Welfare Chemical CMC Factory was established.
- **1998** Renamed as Zhangjiagang Sanhui Chemical Co., LTD.
- **2006** Acquired by Danisco and renamed as Danisco (Zhangjiagang) Hydrophilic Colloid Co., LTD.
- **2011** Acquired by DuPont.
- **2019** YuCMC acquired the production equipments of DuPont Danisco (Zhangjiagang) Hydrophilic Colloid Co., LTD. The factory was moved to Hebi City, Henan Province.
- **2023** YuCMC added granulation equipments, and Zhangjiagang branch was set up.
- **2024** Increase investment and the capacity has been increased to 30,000 tons.
- **2025** The capacity will continue to rise.

TECHNICAL SOLUTION SUPPLIER

Our CMC products are exported to more than 100 countries and regions



Professional Team



Excellent Quality



Effective Service



Stable Supply



Widespread Application



Detailed Specifications

YUCMC Co., Ltd.