

Carboxymethyl Cellulose; CMC; CG Series

Toothpaste Grade

Toothpaste Grade CMC (Carboxymethyl Cellulose) is a water-soluble polymer derived from cellulose. It serves as a thickening, stabilizing agent, and enhances toothpaste's texture and flow. It forms a protective film on teeth, preventing decay, and aids in even ingredient distribution for better oral care results. The high quality and purity Toothpaste Grade CMC we offer enables toothpastes to meet their desired consistency, stability, adhesion and sensory quality requirements. Toothpaste Grade CMC is safe and gentle, making it suitable for a wide range of consumers, including those with sensitive teeth or gums.

Specification

Appearance	White to cream powder
NaCMC content, %	Min. 99.5
pH value	6.0 – 8.5
Moisture, %	Max. 8
Free glycolate, %	Max. 0.4
Sodium chloride, %	Max. 0.5
Sodium, %	Max. 12.4
Lead, mg/kg	Max. 2
Arsenic, mg/kg	Max. 2
Total plate count, CFU/g	Max. 100
Yeast and mold, CFU/g	Max. 100
E-coli	Absent
Pseudomonas aeruginosa	Absent
staphylococcus aureus	Absent

Grade

Grade	D.S	Viscosity ^a (mPa.s)
CG3B5H	0.9 – 1.1	900 - 1200 (2%) ¹
CG3A6T	0.9 – 1.1	1000 - 2000 (1%) ²

^a Brookfield viscosity @ 25°C

¹ 2% aqueous solution, Spindle number 2, 30rpm

² 1% aqueous solution, Spindle number 3, 30rpm

Date Updated: Sep 12, 2022

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	- Used in toothpaste as a thickening agent and stabilizer. It helps maintain the toothpaste's consistency, ensuring it remains smooth and easily spreadable on a toothbrush.

Regulatory Information

CAS No.	9004-32-4
HS Code	3912.31
Country of Origin	Made in China

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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