

Sodium CMC

Cellulosic thickener – all grades

Product Description

Pharmaceutical-grade Sodium Carboxymethylcellulose (Sodium CMC) is used as a thickener, suspending agent and binder in oral liquid, topical and ophthalmic preparations. Available in all viscosity grades to BP/USP standards.

Certificate of Analysis

HSN Code: 3912.31

CAS Number: 9004-32-4

Classification: Pharmaceutical Excipient – Cellulosic

Parameter	Specification	Test Method
Appearance	White to cream granular hygroscopic powder	Visual
Assay (Sodium CMC)	Not less than 99.5% on dried basis	Complexometric Titration
Identification	IR spectrum conforms	IR Spectroscopy
pH (1% aq. solution)	6.0–8.5	Potentiometry
Viscosity (grade dependent)	5–50,000 mPas (1% or 2% aq.)	Brookfield viscometer
Degree of Substitution (DS)	0.65–0.95	Chemical analysis
Loss on Drying	Not more than 10.0%	USP <731>
Chloride	Not more than 0.5%	Argentometric titration
Heavy Metals (as Pb)	Not more than 20 ppm	ICP-MS
Microbial Limits (TAMC)	Not more than 1000 cfu/g	USP <61>

Physical Properties

Appearance: White to cream granular hygroscopic powder

Odor: Odorless

Solubility: Readily dispersible in hot or cold water to form viscous colloidal solutions

Packing: 25 kg multi-layer paper or HDPE bags with inner PE liner; various pack sizes for pharma

Storage: Store in cool, dry, well-ventilated area. Protect from moisture. Shelf life 2 years from manufacture.

Safety & Handling

PPE: Dust mask (N95), safety goggles for powder handling

Hazards:

- Dust may cause mild respiratory irritation
- Non-toxic – food and pharmaceutical grade