

Cekol 4000

Cellulose Gum, Carmellose Sodium, Sodium Carboxymethyl Cellulose

Cekol® 4000 product is a highly purified Sodium Carboxymethyl Cellulose

CAS number
9004-32-4

Specifications

Sodium Chloride, dry basis	≤ 0.4 %
Sodium CMC, dry basis (**)	≥ 99.5 %
Sodium content	7.5 – 9.0 %
Sulphated ash content	23.0 – 27.0 %
Viscosity, 1%, 25°C, Brookfield LV:3/60	300-700 mPa.s
Degree of substitution	0.75–0.85
pH, 1% solution	6.5 – 8.0
Moisture, as packed (**)	≤ 8 %
Sodium Glycolate, dry basis (**)	≤ 0.4 %

Characteristics

Appearance	White to cream powder
Odor	Essentially odor free
Typical particle size	> 0.075 mm : 40-75% > 0.5 mm : ≤ 2%

Notes:

Test methods are available upon request. Nouryon reserves the right to use company test methodology.

Applications

Highly purity Cekol® products are typically applied in regulated industries including Food, Beverage, Personal care, Oral care and Pharmaceuticals. Sodium Carboxymethyl Cellulose is a versatile additive due to its ability to retain water, thicken liquids, regulate flow properties, suspend and stabilize dispersions and act as a film forming agent.

Storage

Stored in a covered and well-ventilated area and in original and unopened packaging the product has a shelf life up to 36 months calculated from the date of manufacture, which means the product can be safely used during this period. The product is based on a natural polymer, cellulose, which means that the viscosity may drop over time. We therefore only warrant that the product meets the product specification up to twelve (12) months calculated from the date of manufacture, even if all parameters of the product specification other than viscosity and moisture remains stable up to the indicated shelf life. Viscosity drop (if any) occurring after 12 months from the date of manufacture can be handled by slight dosage correction. The dosage correction to be determined by Buyer depending on application.

Packaging and transport

Packed in paper bags with polyethylene inner liner. All packaging material complies with FDA and EU food contact legislation.

Safety and handling

Please refer to the Safety Data Sheet (SDS) for information on the safe storage, use and handling.

Certifications

Cekol® products are manufactured according to recognized principles of good manufacturing practices (GMP). Production facility is FSSC 22000 and ISO 9001/14001 certified. Cekol® products are also Kosher and Halal certified.

Additional information

Cekol® cellulose gum is suitable for vegan/vegetarian diets. E-number: E466. HS Code: 39123100. Cekol® 4000 meets various Sodium Carboxymethyl Cellulose specific monograph specifications and standards outlined in the separate document. Food: FAO/WHO (JECFA), Food Chemicals Codex (FCC), US FDA, EU, Chinese Food Standard. Pharma (excipient): United States Pharmacopoeia (USP/NF), European Pharmacopoeia (EP), Chinese Pharmacopoeia (ChP).

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