

PRODUCT DATA SHEET



CEKOL[®] 4000 Cellulose Gum

File no.: Cekol4000/811909051BG/B

Revision date: August 10, 2010

Description	CEKOL [®] 4000 is a highly purified Sodium Carboxymethylcellulose. It is a tasteless, odourless, thickener, stabilizer or dispersant.
Standard packaging	Packed in 20 kg bags. All packaging material complies with FDA and EU food contact legislation.
Regulatory compliance	<p>CEKOL 4000 complies with the requirements contained in the following regulations and standards: Food Chemicals Codex, 21 CFR 182.1745, JECFA, the purity criteria in the current EC Directive, Japan's Specifications and Standards for Food Additives, and the National Standard of the People's Republic of China.</p> <p>CEKOL 4000 also conforms to the monographs of "Carmellose Sodium" or "Carboxymethylcellulose Sodium" in the current Ph. Eur., USP/NF, JP, and several local pharmacopeias.</p> <p>INCI name: Cellulose Gum.</p>
Labeling information	<p>CEKOL[®] 4000 Cellulose Gum, Sodium Carboxymethyl Cellulose. CAS number 9004-32-4. E-466 for use in food.</p> <p>CEKOL 4000 is certified Kosher and Halal.</p>
Shelf life	<p>Shelf life for CEKOL 4000 products is 36 months from the date of manufacture.</p> <p>However, as a result of a natural process the viscosity of Cellulose Gum may decrease in time. We guarantee that the product will meet the viscosity specification for 12 months after the indicated "Manufacturing Date". After these 12 months the product can still be used safely up to the indicated shelf life end date, but may need a slight dosage correction in order to give optimum performance in the application.</p>
Documentation	<p>Further details appear from Product Specifications:</p> <ul style="list-style-type: none">- Purity Specifications 001 for CEKOL, Cellulose Gum (Sodium Carboxymethylcellulose) grades in food applications- Purity Specifications 002 for CEKOL, Cellulose Gum (Carboxymethylcellulose Sodium, Carmellose Sodium) grades in pharma applications <p>Test methods are available upon request. CP Kelco reserves the right to use company test methodology.</p>
Production Facilities	<p>CP Kelco Äänekoski, Finland CP Kelco Taixing, China</p>

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Specifications	<u>Characteristic</u>	<u>Specification</u>
	NaCMC content (dry basis)	min. 99.5%
	Moisture as packed	max. 10%
	Sodium chloride content (dry basis)	max. 0.5%
	Sodium glycolate content (dry basis)	max. 0.4%
	Degree of substitution	0.75 – 0.85
	Sodium content	7.5 – 9.0
	Sulphated ash content	23.0 – 27.0
	pH (1% solution)	6.5 – 8.0
	Viscosity, 1%, 25°C Brookfield LV	300 – 700 mPa.s
Other characteristics	White to cream powder	
	Odourless	
	Neutral taste	
	Typical particle size:	> 0.075 mm : 40-75% > 0.5 mm : max 2%

The information contained herein is, to our best knowledge, true and accurate, but all recommendations or suggestions are made without guarantee, since we can neither anticipate nor control the different conditions under which this information and our products are used. Each manufacturer should evaluate their final products to determine compliance with all relevant federal, state and local regulations. Further we can disclaim all liability with regard to its customers' infringement of third party intellectual property including, but not limited to, patents. We recommend that our customers apply for licenses under any relevant patents. No statement herein or by our employees shall be construed to imply the non-existence of relevant patents nor as a recommendation or inducement to infringe said patents. It is our policy, however, to assist our customers and to help in the solution of particular problems which may arise in connection with applications of our products.

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e-mail solutions@cpkelco.com
www.cpkelco.com

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The Americas

CP Kelco US, Inc
800-535-2687 phone
678-247-2752 fax

Europe/Middle East/Africa

CP Kelco France SARL
+33 (0) 1 49 03 78 00 phone
+33 (0) 1 49 03 78 29 fax

Asia Pacific

CP Kelco Services ApS, China
+86 21 5175 8488 phone
+86 21 5175 8499 fax