

PRODUCT DATA SHEET



A HUBER COMPANY

MAJOL[®] 25000S Cellulose Gum

File no.: M25000S/814729011BG/A
Revision date: August 1, 2017

Description MAJOL 25000S is a highly purified Sodium Carboxymethylcellulose. It is based on sustainably sourced cellulose.

Features in application MAJOL 25000S 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.

General specifications	<u>Characteristic</u>	<u>Specification</u>
	Moisture as packed	max. 8%
	pH (1% solution)	6.5 – 8.0
	DS	0.75 – 0.85
	Viscosity, 1% (25°C, Brookfield LV:3/30)	2000 – 3000 mPa.s

Purity specifications	<u>Characteristic</u>	<u>Specification</u>
	NaCMC content (dry basis)	min. 99.5%
	Sodium chloride content (dry basis)	max. 0.5%
	Sodium glycolate content (dry basis)	max. 0.4%
	Sodium content	7.5 – 9.0%
	Sulphated ash content	23.0 – 27.0%

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

Other characteristics White to cream powder
Odor: essentially odor free
Flavor: essentially flavorless

Typical particle size: > 0.075 mm : 40-75%
> 0.5 mm : max 3%

Standard packaging Packed in 20 kg bags. All packaging material complies with FDA and EU food contact legislation.

Labeling information MAJOL 25000S
Batch no
Weight
Manufacturing and shelf life/ best before date

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Regulatory compliance MAJOL 25000S complies with the requirements contained in the following regulations and standards:

- Food Chemicals Codex
- 21 CFR 182.1745 (US FDA)
- JECFA
- Purity criteria in the current EU Regulations
- Japan's Specifications and Standards for Food Additives
- National Standard of the People's Republic of China.

MAJOL 25000S also conforms to the monographs of "Carmellose Sodium" or "Carboxymethylcellulose Sodium" in the current

- Ph. Eur.
- USP/NF
- JP

Manufactured under U.S. FDA cGMP.

Detailed description of monograph requirements can be found from following documents:

- Purity Specifications 007 for MAJOL, Cellulose Gum (Sodium Carboxymethylcellulose) grades in food applications
- Purity Specifications 008 for MAJOL, Cellulose Gum (Carboxymethylcellulose Sodium, Carmellose Sodium) grades in pharma applications

Storage conditions / Shelf life

Store in a roofed and well-ventilated area in the unopened original package. Shelf life for MAJOL 25000S products is 36 months from the date of manufacture.

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.

Other information

MAJOL 25000S is Kosher and Halal certified.
INCI name: Cellulose Gum

Production facilities

CP Kelco Äänekoski, Finland

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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