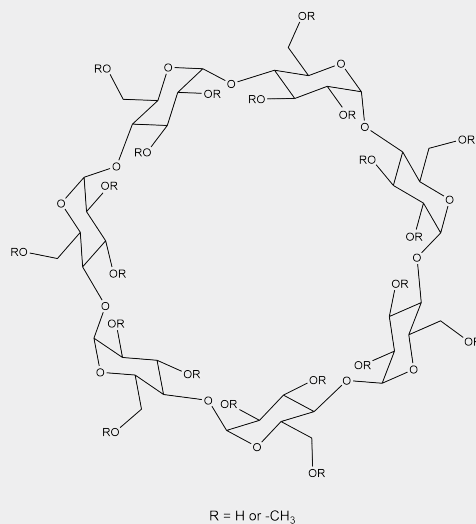


CAVASOL[®] W7 M LIFE SCIENCE

Derivatives

CAVASOL[®] W7 M LIFE SCIENCE is a methyl-beta-cyclodextrin from Wacker Chemie AG. CAVASOL[®] W7 M LIFE SCIENCE is a highly soluble beta-cyclodextrin derivative when concentrated solutions are needed. It is the most efficient solubilizing agent.

CAS No. 128446-36-6 | Molecular weight 1310



Properties

Good solubility in: methanol, ethanol, acetone, pyridine, dimethyl sulfoxide, dimethyl formamide

Technical data

Specification

Property	Condition	Value	Method
Absorption of a 10% solution 220-350nm	-	max. 1.00	photometry
Absorption of a 10% solution 350-600 nm	-	max. 0.10	photometry
Chloride	-	max. 0.2 %	Titration
Cyclodextrin content	-	min. 98.0 %	calculated
Identity	-	positive	IR
Loss on drying	-	max. 5.0 %	halogen dryer
Molar substituiton	-	1.7 - 1.9	NMR
Reducing substances	-	max. 0.5 %	Titration
Residue on ignition	-	max. 0.5 %	USP/NF
Salmonella/E. coli in 10g	-	0	PH. EUR.
Specific rotation	Refractometer	154 - 165 °	-
Total aerobic microbial count (TAMC)	-	max. 1000 CFU/g	PH. EUR.
Total yeasts and molds count (TYMC)	-	max. 100 CFU/g	PH. EUR.
Unsubstituted cyclodextrins	-	max. 0.1 %	HPLC
Volatile organics	-	max. 50 ppm	GC

General Characteristics

Property	Condition	Value	Method
Appearance	-	white or almost white, amorphous or crystalline powder	visual control
Bulk density	-	approx. 200 - 400 kg/m ³	-
Melting point	-	164.5 - 172.4 °C	EG-RL.A.1
Solubility in water	25 °C	> 750 g/l	EU-GL.A.6

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- CAVAMAX® Cyclodextrins & CAVASOL® Cyclodextrin Derivatives
- Excipients & Auxiliaries
- Pharma
- Pharma Solutions

Application details

- Highly efficient solubilization agent
- Solubilization, stabilization and delivery of mid-sized active ingredients, e.g. menthol, thymol, macrolides
- Enhancement of bioavailability of agrochemical active ingredients; enabling of delayed release of volatile materials

Packaging and storage

Packaging

Units of 10 kg

Storage

Storage at room temperature in sealed containers under dry conditions is recommended. CAVASOL® W7 M LIFE SCIENCE has a shelf life of at least 36 months when stored in unbroken original packaging in dry storage areas. The best use before date of each batch is shown on the product label. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code CAVASOL® W7 M LIFE SCIENCE



For technical, quality or product safety questions, please contact:

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productinformation@wacker.com, www.wacker.com

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.