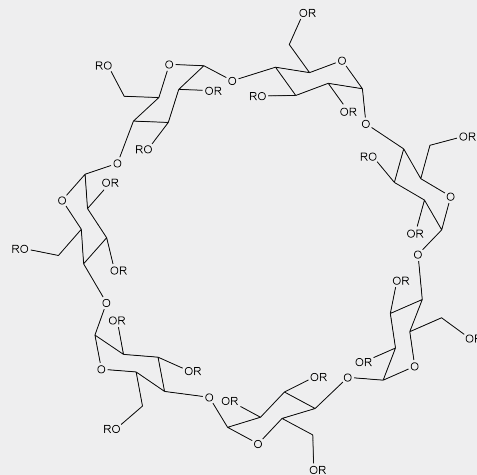


# CAVASOL<sup>®</sup> W7 HP PHARMA

## Derivatives

CAVASOL<sup>®</sup> W7 HP PHARMA is pharmaceutical grade hydroxypropyl-beta-cyclodextrin from Wacker Chemie AG. CAVASOL<sup>®</sup> W7 HP PHARMA is a highly soluble beta-cyclodextrin derivative, when concentrated solutions are needed.

CAS No. 128446-35-5 | INCI Hydroxypropyl cyclodextrin |  
Molecular weight 1400



R = H or  $-\text{CH}_2\text{-CH}(\text{CH}_3)\text{-O}-\text{H}$   
n = 0, 1, 2, ...

## Properties

Good solubility in: methanol, ethanol, pyridine, dimethyl sulfoxide, dimethyl formamide  
Product complies with current Ph.Eur. and USP monographs specifications.  
DMF Type IV. No 21638

## Technical data

### Specification

Property	Condition	Value	Method
Appearance	-	Passed	Visual Control
Appearance of solution	-	colorless, clear liquid	PH. EUR.
Betadex	-	max. 1.0 %	PH. EUR.
Conductivity	-	max. 200 µS/cm	PH. EUR.
Identity A, B	-	positive	PH. EUR.
Loss on drying	-	max. 10.0 %	halogen dryer
Molar substituiton	-	0.59 - 0.73	NMR
Propylene Oxide	-	max. 0.0001 %	USP/NF
Propylene glycol	-	max. 0.5 %	PH. EUR.
Related substances, any	-	max. 0.1 %	PH. EUR.
Related substances, total other	-	max. 1.0 %	PH. EUR.
Salmonella/E.Coli	-	max. 0 /10g	PH. EUR.
Total aerobic microbial count (TAMC)	-	max. 100 /g	PH. EUR.
Total yeasts and molds count (TYMC)	-	max. 100 /g	PH. EUR.

### General Characteristics

Property	Condition	Value	Method
Bulk density	-	200 - 300 kg/m <sup>3</sup>	-
Melting point	-	120 - 160 °C	EG-RL.A.1
Solubility in water	25 °C	2300 g/l	-

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

Wacker Chemie AG does not recommend the use of CAVASOL® W7 HP PHARMA for parenteral dosage forms.

## Packaging and storage

### Packaging

Units of 10 kg

### Storage

CAVASOL® W7 HP PHARMA has a shelf life of at least 36 months when stored in unbroken original packaging in dry storage areas. 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. Storage at room temperature in sealed containers under dry conditions is recommended.

## 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 HP PHARMA



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

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[productinformation@wacker.com](mailto:productinformation@wacker.com), [www.wacker.com](http://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.