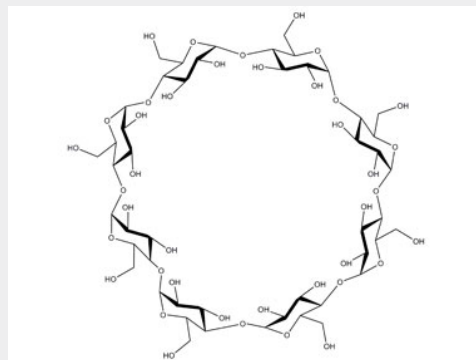


CAVAMAX[®] W8 PHARMA

Native Cyclodextrins

CAVAMAX[®] W8 PHARMA is pharmaceutical grade gamma-cyclodextrin from Wacker Chemie AG. CAVAMAX[®] W8 PHARMA with 8 glucose units has the largest cavity of the parent cyclodextrins and is the most water soluble. It is useful for solubilizing, stabilizing or delivering larger molecules macrocyclics, oils, lipids, etc.

CAS No. 17465-86-0 | Empirical formula $C_{48}H_{80}O_{40}$ | Molecular weight 1297



Properties

- INCI: Cyclodextrin
- DMF Type IV, No 11375
- White powder
- Pharmaceutical grade: Content min. 98.0%, complies with current USP/NF monographs specifications
- REACH: full registration
- Sole manufacturer globally

Technical data

Specification

Property	Condition	Value	Method
Absorption of a 10% solution at 420 nm	-	max. 0.2	USP/NF
Cyclodextrin content	-	98.0 - 102.0 %	HPLC
Heavy metals	-	max. 5 ppm	USP/NF
Identity A,B,C	-	positive	USP/NF
Loss on drying	-	max. 11.0 %	halogen dryer
Microorganisms	-	max. 1000 /g	MICROBIOLOGICAL PHOTOMETRIC TEST
Molds and yeasts	-	max. 100 /g	MICROBIOLOGICAL PHOTOMETRIC TEST
Reducing substances	-	max. 0.2 %	PH. EUR.
Related substances (single)	-	max. 0.5 %	USP/NF
Related substances (sum)	-	max. 0.5 %	USP/NF
Residue on ignition	-	max. 0.1 %	USP/NF
Salmonella/E.Coli	-	0 in 10g	MICROBIOLOGICAL PHOTOMETRIC TEST
Specific rotation $[\alpha]_D^{20}$	-	174.0 - 180.0 °	USP/NF
Volatile organic compounds	-	max. 50 ppm	GC

General Characteristics

Property	Condition	Value	Method
Bulk density	-	400 - 700 kg/m ³	-
Solubility in water	20 °C	180.1 g/l	OECD 105

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
- Personal Care
- Pharma

Application details

- Solubilization, stabilization and delivery of large active ingredients, e.g. steroids, lipids
- Enhancement of both oral bioavailability and taste masking of pharmaceutical active ingredients; enabling of delayed release

Packaging and storage

Packaging

Units of 20 kg

Storage

Storage at room temperature in sealed containers under dry conditions is recommended. CAVAMAX® W8 Pharma 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 the WACKER web site (<http://www.wacker.com/hdk>).

QR Code CAVAMAX® W8 PHARMA



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

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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.