PRODUCT INFORMATION

WARADUR® XE

Product Description

WARADUR® XE (DAB: Cera montanglycoli; INCI: Glycol Montanate) is a montan ester wax. Montanic acids are straight, long-chained monocarboxylic acids, which in WARADUR® XE are esterified with ethylene glycol.

General Advantages

Matrix for pharmaceutical active ingredients, retardants, polishing agents, coating wax. Quality according to the German Pharmacopoeia (DAB).

Examples of Use

For applications in the pharmaceutical field. Other applications outside these areas are not supported by the manufacturer.
The following indications should be observed:
WARADUR® XE is produced under a quality management system certified pursuant to ISO 9001. Under the definition of the German Pharmacopeia (Deutsches Arzneibuch) for Cera montanglycoli it is manufactured from natural raw montan wax, which, as a natural product is subject to certain variations and can contain contaminants from the environment. We check the identity and purity of WARADUR® XE exclusively in relation to the chemical and physical requirements for Cera montanglycoli as set out in the German Pharmacopoeia (DAB). This key data shall be exclusively determined by the methods of analysis specified by us and set out in a quality control certificate pursuant to DIN 55350-18-4.2.2. The quality control certificate is no guarantee as to quality in a legal sense and does not release the recipient from the inspection of incoming goods. Further key data and qualities including possible raw material variations or contaminants shall not be checked by us and are not the subject of our warranty. We do not operate contaminants management. The users of our products are responsible for ensuring that the product can be used for their intended purposes.

Delivery Specifications

Characteristics	Unit	Specification	Method
Acid value	mg KOH/g	15 – 20	DAB
Saponification value	mg KOH/g	130 – 160	DAB
Drop point	°C	79.0 – 85.0	Ph. Eur. 2.2.17
Colour (Iodine colour)	–	1.0 – 20.0 (Solution clear, brighter than G4 / DAB)	Iodine colour number (Dr. Lange)
Peroxide value	meq O_2/kg	0.0 – 5.0	DAB
Ash (600 °C)	%	< 0.3	Ph. Eur. 2.4.16
Free ethylene glycol	%	0.000 – 0.300	GC, DAB (mod.)
Chromium	ppm	< 10	Ph. Eur. 2.2.23 II
Relative density	–	1.01 – 1.03	DAB 2.2.N1

Packaging and Handling

Physical form	Powder
Packaging	Paper bag
Storage	Store at ambient temperature on a dry place. Protect from heat/overheating and direct sunlight. The maximum shelf life is 5 years after production. Thereafter, tests of the chemical characteristics are recommended. After delivery, a minimum remaining shelf life at the customer of 1.5 years is warranted.

Safety

WARADUR® XE
- is made from a fossil biological source
- is not classified as carcinogenic, mutagenic or reprotoxic; no health or environmental hazards are known, provided it is applied in industrial and professional settings

Delivery Time and Availability

Standard delivery time: 2 – 3 weeks. Preconditions can be met for achieving shorter delivery times on standard products when demanded by the market.

Legislation

Listed in DAB Monography: “Cera montanglycoli”

An extensive documentation about this product is available for customers.

For further information, please contact application@voelpker.com.

The information contained herein is believed to be accurate and reliable as of the date issued. However, we do not warrant or guarantee the accuracy or reliability, in particular not for any specific intended use by the customer. It is the responsibility of those to whom we supply our products directly or indirectly to ensure that their use of the products complies with existing regulations, laws, legislations and proprietary rights. The information given by Völpker Spezialprodukte does not exempt the customer from carrying out inspections and analyses on goods purchased.

Issued: 2023-12-07, supersedes all previous editions

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