



# Certificate

## CLINDAMYCIN PHOSPHATE SYSTEM SUITABILITY

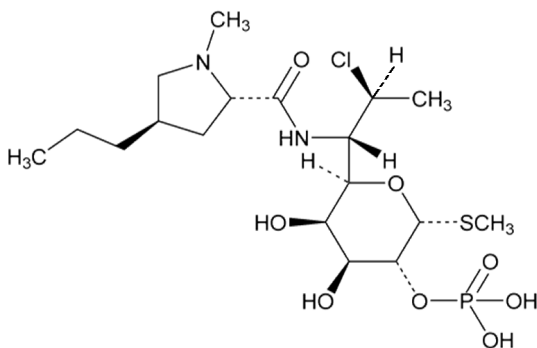
(Clindamycin phosphate containing 7-Epiclindamycin phosphate)

USP Catalog No.: 1138019

USP Lot No.: R20710

### Clindamycin Phosphate (~98%)

(Methyl 7-chloro-6,7,8-trideoxy-6-(1-methyl-*trans*-4-propyl-L-2-pyrrolidinecarboxamido)-1-thio- *L-threo*- $\alpha$ -D-*galacto*-octopyranoside 2-(dihydrogen phosphate))



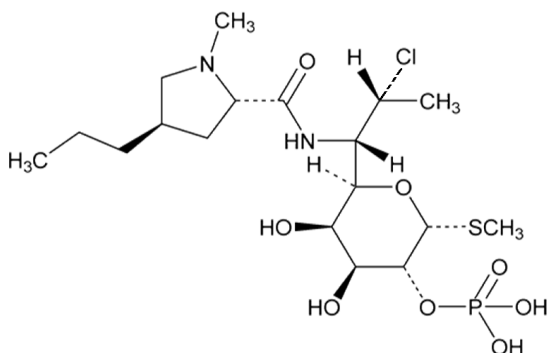
CAS Number: 24729-96-2

Molecular Formula:  $C_{18}H_{34}ClN_2O_8PS$

Molecular Weight: 504.96

### 7-Epiclindamycin Phosphate (~0.4%)

(Methyl 7-chloro-6,7,8-trideoxy-6-[(2*S*,4*R*)-1-methyl-4-propylpyrrolidine-2-carboxamido]-1-thio-D-*erythro*- $\alpha$ -D-*galacto*-octopyranoside 2-phosphate)



CAS Number: 620181-05-7

Molecular Formula:  $C_{18}H_{34}ClN_2O_8PS$

Molecular Weight: 504.96

**LABEL TEXT**

For use with specified USP compendial tests. Not for use as a drug. See SDS prior to use at [www.usp.org/sds](http://www.usp.org/sds).



Lot: R20710

**REFERENCE STANDARD****CLINDAMYCIN PHOSPHATE SYSTEM SUITABILITY 2.2 mg**  
(Clindamycin phosphate containing 7-Epiclindamycin phosphate)

Warning! Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye irritation.

Labeled for compendial qualitative use. Reconstitute the entire content of vial without weighing. Keep container tightly closed. Protect from light. Material is hygroscopic. Store in a freezer.

See certificate for any additional information.  
USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666  
Cat. No. 1138019 Material mfd. in United States

Avoid breathing dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Dispose of contents/container in accordance with local/regional/national/international regulations.

Quality Assurance

**Certificate Version History**

Version Number	Date	Reasons for Change
00	13-DEC-2023	First issue

**Assigned Value**

Please refer to the USP Reference Standard label and/or USP Certificate for the assigned value of the specific lot. If an assigned value is not included on the label or Certificate, the lot was developed for qualitative USP compendial use and an assigned value will not be provided.

**Valid Use Date**

It is the responsibility of the user to ascertain that a particular lot of a USP Reference Standard has official status either as a "Current Lot" or as a "Previous Lot" within the assigned valid use date. The online USP Reference Standards Catalog and the online USP Store at [www.usp.org](http://www.usp.org) are updated daily. USP recommends referring to one of these sources prior to using a USP RS to make sure the lot is valid for use.

**Storage**

Storage conditions are lot-specific and may change from one lot to another. The storage condition for an unopened USP Reference Standard is provided on the container label only, not on the Safety Data Sheet. If no specific directions or limitations are on the label, conditions of storage include storage at room temperature and protection from moisture, light, freezing, and excessive heat. See General Chapter <659> in the USP-NF Online for storage and handling definitions.

**Instructions for Use**

Follow the instructions provided on this Certificate, on the label of the USP Reference Standard, and in the associated USP documentary standard(s). Please refer to General Chapter <11> for additional information.

**Non-USP Compendial Use**

USP Reference Standards are intended only for use in analytical or laboratory applications generally as specified in USP compendia. They are not for use in humans or animals as drugs or medical devices. It may be possible to use a USP RS outside of its associated USP compendial applications; however, it is the responsibility of the user to determine the suitability of the USP RS for a non-USP use.

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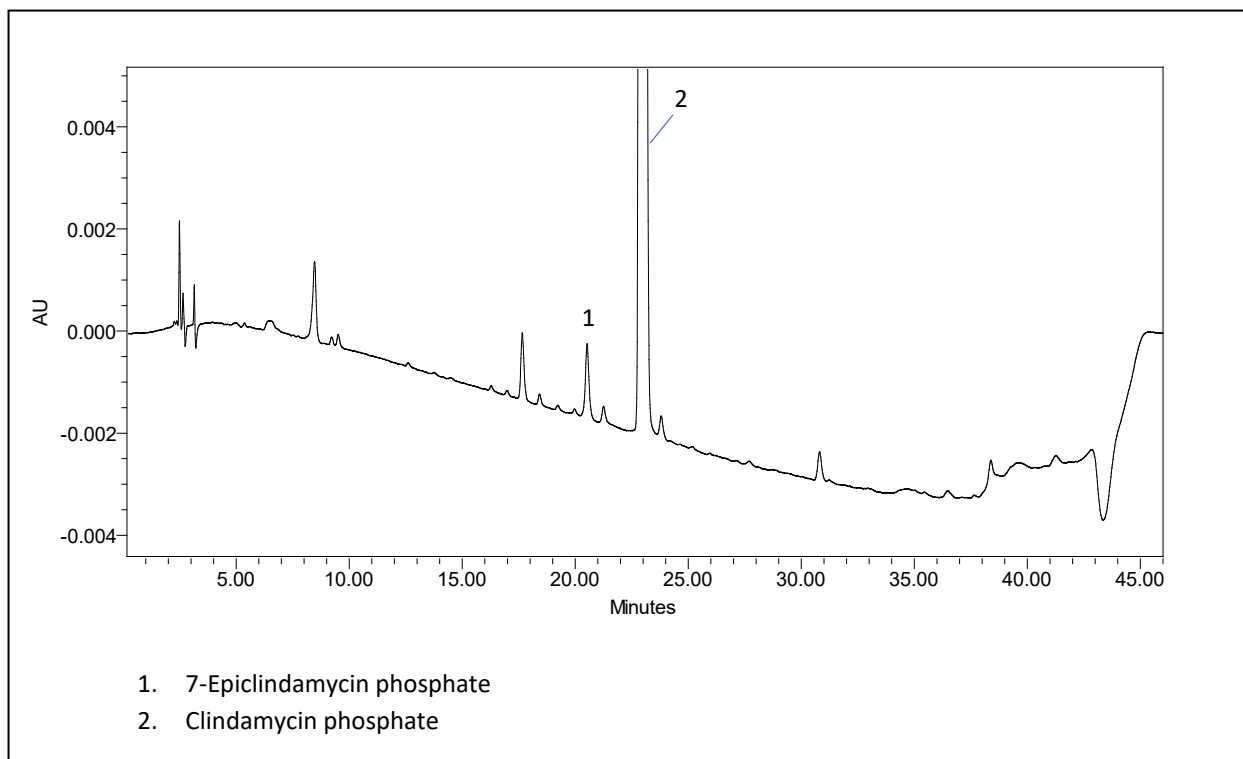
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# Typical Chromatogram

## USP Clindamycin Phosphate System Suitability RS

<b>Catalog Number:</b> 1138019
<b>Lot:</b> R20710
<b>Monograph:</b> Clindamycin Phosphate
<b>Publication:</b> USP-NF 2023
<b>Test:</b> Organic Impurities
<b>Sample:</b> System suitability solution (2.2 mg/mL)



This chromatogram is supplied for information only, unless otherwise specified in an applicable monograph or general chapter.