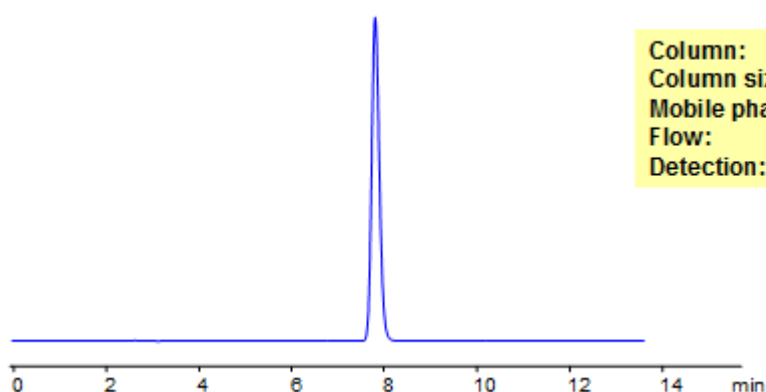


HPLC Analysis of Chloramphenicol

<https://sielc.com/Application%20HPLC%20Analysis%20of%20Chloramphenicol>

Chromatogram



Column: Legacy L1
Column size: 4.6 x 250 mm
Mobile phase: 45% MeOH with 0.1% AcOH
Flow: 1.0 mL/min
Detection: UV 280 nm

Description

Chloramphenicol is a broad-spectrum antibiotic useful in treating conjunctivitis and many other infections. It is notable as an antibiotic for developing nations due to its low cost. It was analyzed on a Legacy L1 column which uses reverse-mode to retain hydrophobic compounds. Comparisons between Legacy L1 and Phenomenex columns are available upon request.

Method Parameters

Mobile Phase	MeOH – 45%
Buffer	Acetic Acid – 0.1%
Flow Rate	1.0 ml/min
Detection	UV, 280 nm
Class of Compounds	Drug, Antibiotics, Hydrophobic, Ionizable
Analyzing Compounds	Chloramphenicol

HPLC Column Used

Legacy L1, 4.6×250 mm, 5 µm, 100A

[Order this column at hplc-shop.de →](#)