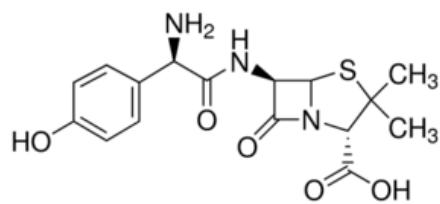
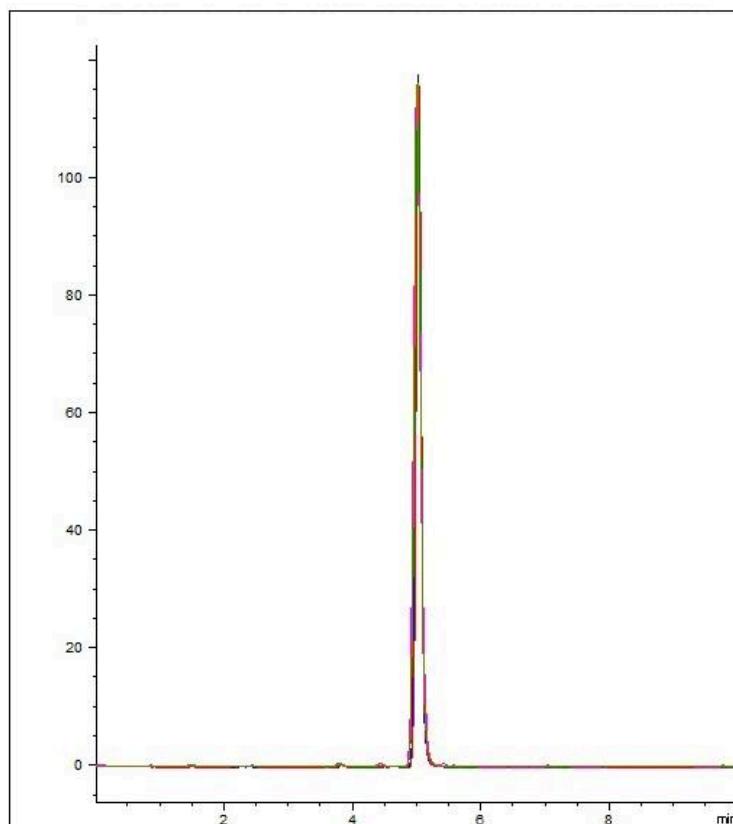




Amoxicillin USP Assay by HPLC – AppNote

Alternate L1 Column used for the USP Assay Method for Amoxicillin

This USP Amoxicillin Assay is performed and a five injection overlay shows Run to Run consistency and Precision. The Peak Efficiency is very good and Peak Tailing guidelines are easily met with RSD values less than 0.3%. This demonstrates a good alternate Column for your Amoxicillin USP Method.



Peak:

Amoxicillin

Method Conditions:

Column: Cogent Hyper Similars C18™, 5µm, 150Å

Catalog No.: [62518-25P](#)

Dimensions: 4.6 x 250mm

Mobile Phase: 96:4 Buffer / Acetonitrile

Buffer: 6.8g / L Monobasic Potassium Phosphate (adjusted with 45% Potassium Hydroxide to a pH of 5.0 +/- 0.1)

Injection vol.: 10 μ L

Flow rate: 1.0mL / minute

Detection: UV @ 230nm

Sample Preparation: Amoxicillin 1.2mg / mL in Buffer

Note 1: Amoxicillin is a semisynthetic antibiotic and analog of ampicillin, with a broad spectrum of bactericidal activity against many Gram-positive and Gram-negative microorganisms.

Note 2: The Cogent Hyper Similars C18™ performs very similarly to the Thermo Fisher Hypersil® C18.



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MicroSolv Technology Corporation

9158 Industrial Blvd. NE, Leland, NC 28451

Tel: (732) 380-8900

Fax: (910) 769-9435

Email: customers@mtc-usa.com

Website: www.mtc-usa.com