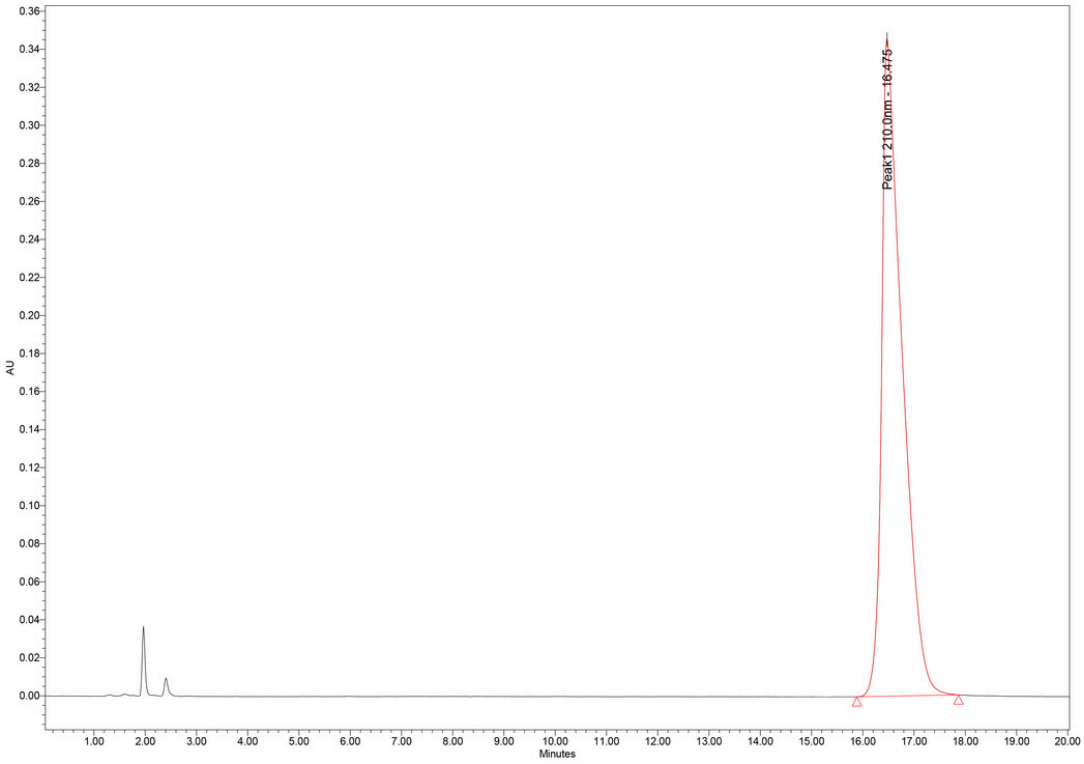
RSolv®
LIFE SCIENCES
HPLC Columns

Authorized Distributor

RIKI GLOBAL
performance through innovation

Tazobactum

RSolv® Capella C18, 5µm, 250 x 4.6 mm



Test Condition

Column: RSolv® Capella C18, 5µm, 250 x 4.6 mm

Flow Rate: 1.5 mL/min

Injection volume: 20 µl

Detection: PDA 210 nm

Mobile Phase: 20 mM Dibasic Ammonium Phosphate:Acetonitrile (30:70 v/v)

Column Temperature: 25°C

Sample Temperature: 25°C

Discussion

The isocratic mobile phase consists of 1.32g dibasic ammonium phosphate in 750 mL of water, pH 2.5 with 5% v/v phosphoric acid, and dilute in 1000 mL water. From prepared buffer take 300 mL and add 700 mL to acetonitrile mix (30:70 v/v), and pass through a filter of 0.2µm pore size. A RSolv Capella C18, 250 x 4.6 mm, 5µm analytical column from RSolv, Made in USA, was used as a stationary phase. A constant flow rate of 1.5 mL/min was employed throughout the analysis. A variable PDA detector was set at 210 nm.

The chromatographic analysis detected a significant peak at 16.476 minutes, representing Tazobactum with a tailing factor of 1.12, indicating a symmetrical peak. Theoretical plates for Tazobactum were calculated at 21007, indicating good chromatographic efficiency

For more information, Contact us at

info@rikiglobal.com | www.rikiglobal.com | +91 99082 46695 | +91-40-35172288/89