RSolv®
LIFE SCIENCES

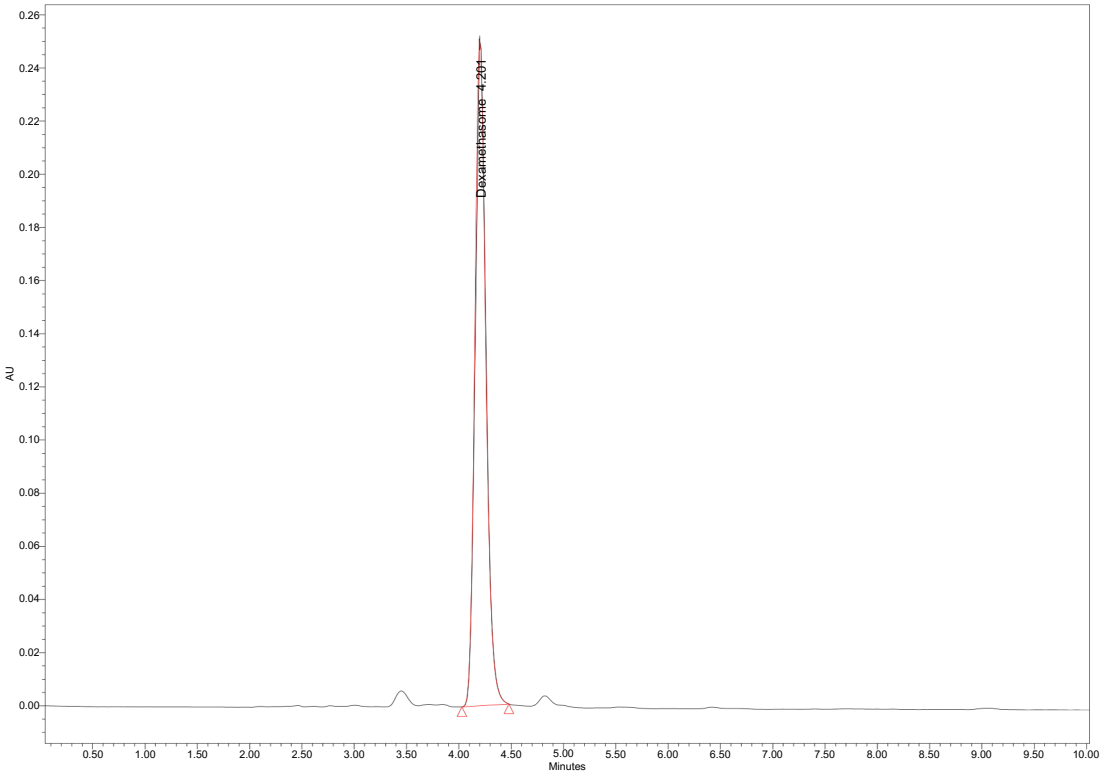
HPLC Columns

Authorized Distributor

RIKI GLOBAL
performance through innovation

Dexamethasone

RSolv® Capella C18, 5µm, 250 X 4.6 mm



Test Condition

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

Part No.: RS1-3B050-25046

Flow Rate: 1.0 mL/min

Injection Volume: 10 µl

Detection: PDA 250 nm

Mobile Phase: Acetonitrile: Phosphate buffer (Potassium dihydrogen & dipotassium phosphate) (70:30 V/V)

Column Temperature: 60°C

Sample Temperature: 25°C

Discussion

The isocratic mobile phase was Acetonitrile: 20 mM Phosphate buffer (10 mM Potassium dihydrogen & 10 mM dipotassium phosphate) (70:30 V/V) at a flow rate of 1.0 mL/min, and injection run time is 10 minutes. Analyte determination was performed using a PDA detector set at 250 nm. Sample was prepared with methanol and the volume injected was 10 µL.

The chromatographic analysis detected a significant peak at 4.201 minutes, representing Dexamethasone with a tailing factor of 1.18, indicating a symmetrical peak. Theoretical plates for Dexamethasone were calculated at 7768.88, indicating good chromatographic efficiency

For more information, Contact us at

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