

Spironolactone USP assay with HPLC – INTERNAL ONLY

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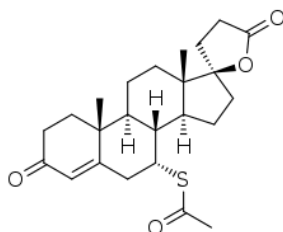
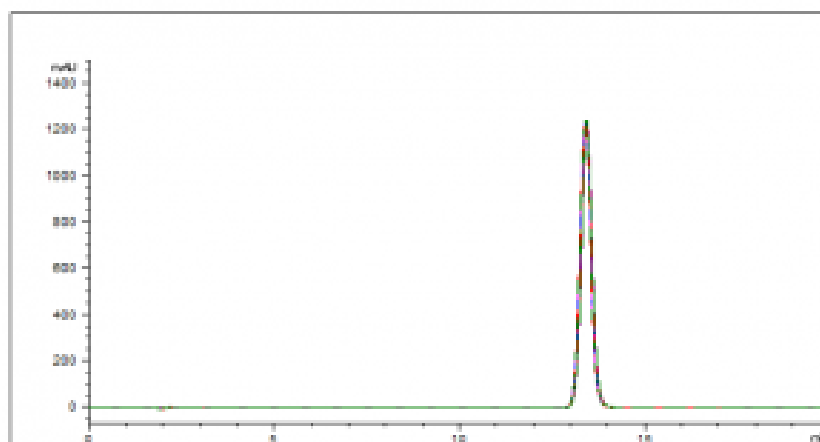
INTERNAL ONLY.

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Alternate L1 column used for a USP assay of Spironolactone

This USP Spironolactone is easily performed, and the 10 injections overlay below demonstrates run to run consistency and great peak symmetry. The peak efficiency is very good and peak tailing guidelines are easily met with RSD values of less than 1.0%.

This demonstrates a good alternate column for your Spironolactone USP method.



Peak:

Spironolactone

Met hod Conditions:

Column: Cogent RP C18 [™], 5µm, 100Å

Catalog No.: [68518-15P](#)

Dimensions: 4.6mm x 150mm

Mobile phase: Methanol and water (60:40)

Diluent: Acetonitrile and water (50:50)

Flow rate: 1.0mL / minute

Injection volume: 20 µL

Detection: UV @ 230nm

Sample Preparation: 0.5 mg/mL of Spironolactone in diluent

Tailing factor: NMT 2.0

Relative standard deviation: NMT 1.5%

Note 1: For the full method conditions and details, consult the official United States Pharmacopeia–National Formulary (USP–NF.)

Note 2: Spironolactone is a potassium-sparing diuretic (water pill). It prevents your body from absorbing too much salt and keeps your potassium levels from getting too low. This medicine is also used to treat or prevent hypokalemia (low potassium levels in the blood) .



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