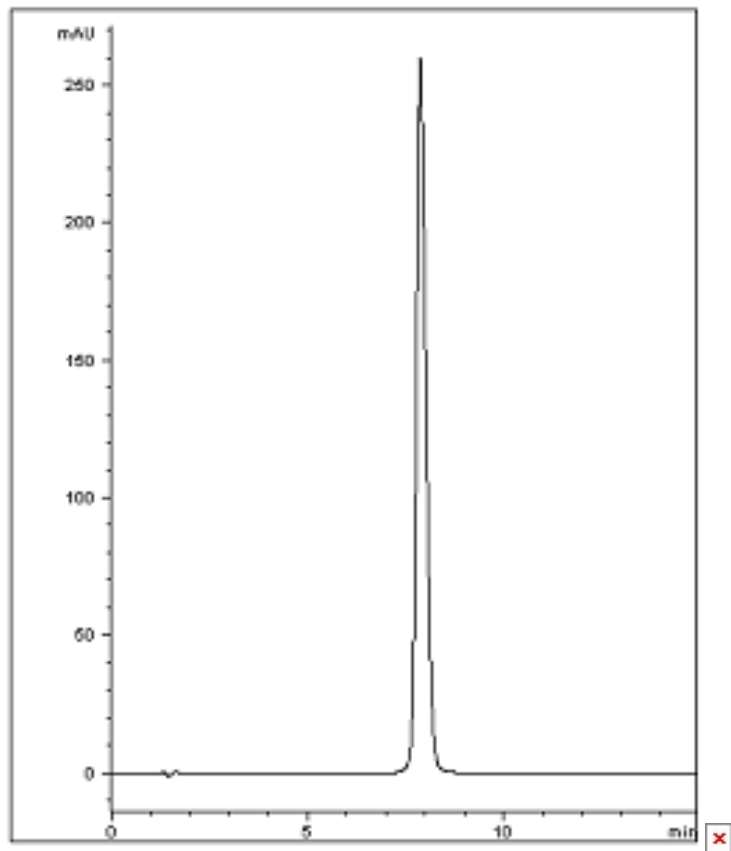


Cyclobenzaprine Hydrochloride USP Assay – AppNote

This method demonstrates the USP Cyclobenzaprine Hydrochloride Extended-Release Capsules Assay.

As shown in the Chromatograms, the peak efficiency is superb and USP peak tailing guidelines are easily met with the Cogent RP C18 5µm column. This demonstrates a great alternative column for easy plug and play and this UPS Assay Method.



Method Conditions:

Column: Cogent RP C18™, 5µm, 100Å

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

Dimensions: 4.6 x 150 mm

Buffer: Add 3.7 mL of Methanesulfonic Acid per 1 L of Water and adjust with Diethylamine to a pH of 3.6

Mobile Phase: Acetonitrile, Methanol, and Buffer (25.5:21.0:53.5)

Injection vol.: 20µL

Flow rate: 1.5 mL/minute

Detection: UV @ 290 nm

Diluent: Acetonitrile and Water (50:50)

Standard solution: 0.12 mg/mL of USP Cyclobenzaprine Hydrochloride RS in Diluent

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Note: Cyclobenzaprine is a muscle relaxant and works by blocking nerve impulses that signal pain sensations sent to your brain. Cyclobenzaprine is used together with rest and physical therapy to relieve muscle spasms caused by painful conditions such as an injury.



Attachment:

No. - 383 Cyclobenzaprine Hydrochloride USP Assay pdf 81.1 Kb [Download File](#)