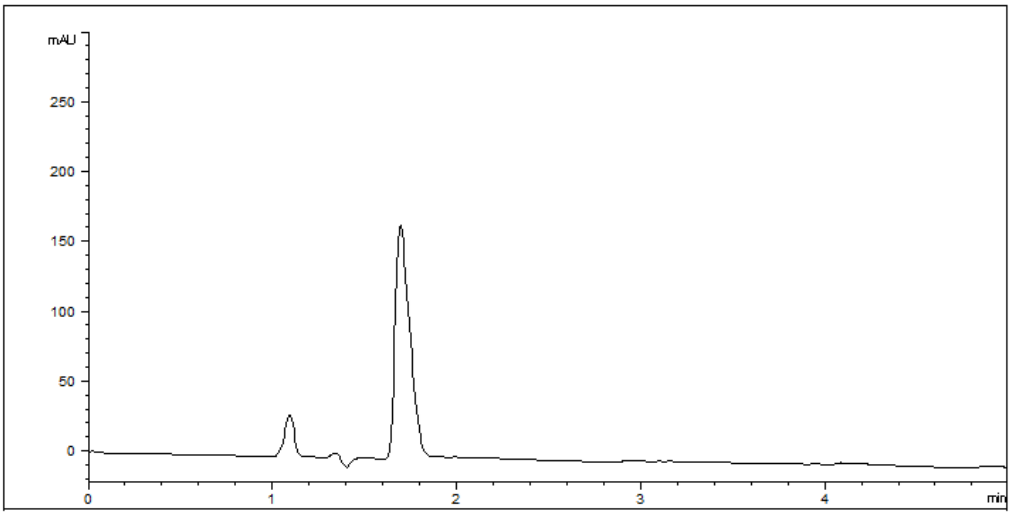
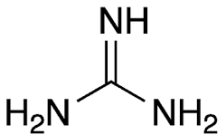
Guanidine analyzed with HPLC- AppNote

A Straightforward HPLC-UV method for Guanidine

A simple Method was developed for the analysis of Guanidine, a highly basic (pKa 12.5), and polar compound. Pre-column derivatization was not used in this method, but if higher sensitivity is needed for lower concentrations, ELSD could be employed.





Guanidine

Peaks:

1. Impurity
2. Guanidine

Method Conditions

Column: Cogent Diamond Hydride™, 4µm, 100Å

Catalog No.: 70000-10P

Dimensions: 4.6 mm x 100mm

Mobile Phase: 50% DI Water / 50% Acetonitrile / 0.1% Formic Acid

Injection vol.: 1µL

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Email: customers@mtc-usa.com

Website: www.mtc-usa.com

Flow rate: 1.0 mL / minute

Detection: UV @195 nm

Sample Preparation: 1.7 mg/mL Guanidine in Mobile phase

Note: *This method could be used for clearance testing of guanidine in biopharmaceutical products.*

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