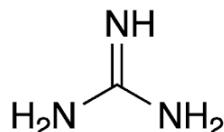
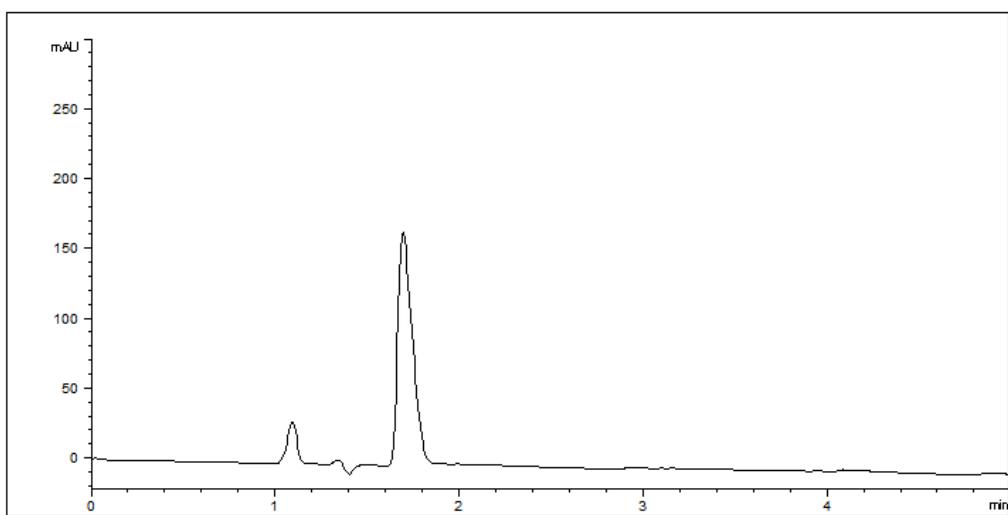




## Guanidine Analyzed with HPLC- AppNote

### 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

**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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