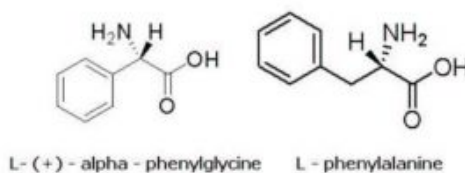
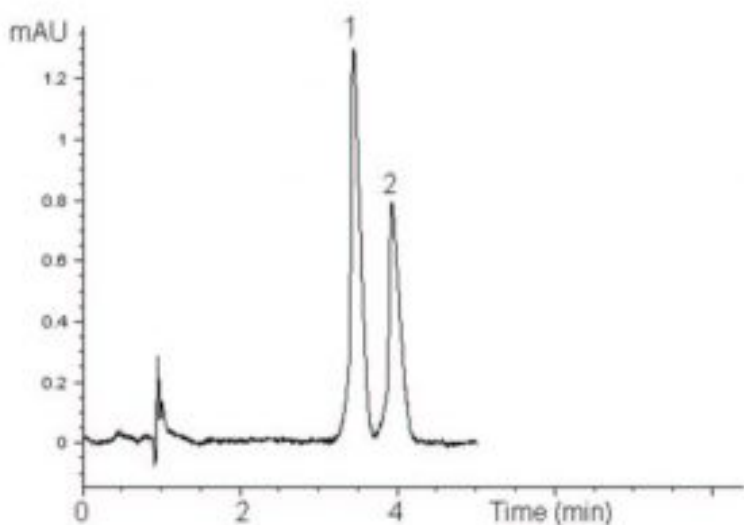


## Phenylglycine & Phenylalanine Analyzed with HPLC – AppNote

### Analysis using a Simple Mobile Phase.

In this Method two important amino acids: L-(+)-alpha-phenylglycine and L-phenylalanine, were Separated.

C18 Columns used today which may be present in every Analytical Laboratory may not be able to Retain underivatized Amino Acids. They usually elute at or near the “void volume” with other polar compounds.



### Peaks:

1. L-(+)-Alpha-Phenylglycine
2. L-Phenylalanine

### Method Conditions

**Column:** Cogent Silica-C™, 4μm, 100Å

**Catalog No.:** 40000-75P

**Dimensions:** 4.6 x 75mm

**Mobile Phase:**

A: DI Water / 0.1% Formic Acid

B: Acetonitrile / 0.1% Formic Acid

**Flow rate:** 1.0mL / minute

**Detection:** UV @ 254nm

**Injection vol.:** 2μL

**Sample Preparation:** 0.3mg / mL of each sample dissolved in 50:50 Acetonitrile / DI Water / 0.5% Formic Acid.

**t<sub>0</sub>:** 0.85 minutes

**Notes:** Alpha - amino acids are precursors for many important chemical entities (for example isoindolines), which



*are essential to the discovery of new drugs.*



**Attachment**

**No 48 Phenylglycine & Phenylalanine Analyzed with HPLC pdf** 0.2 Mb [Download File](#)

Printed from the Chrom Resource Center

**MicroSolv Technology Corporation**

9158 Industrial Blvd. NE, Leland, NC 28451

tel. (732) 380-8900, fax (910) 769-9435

Email: [customers@mtc-usa.com](mailto:customers@mtc-usa.com)

Website: [www.mtc-usa.com](http://www.mtc-usa.com)

Date: 05-06-2024