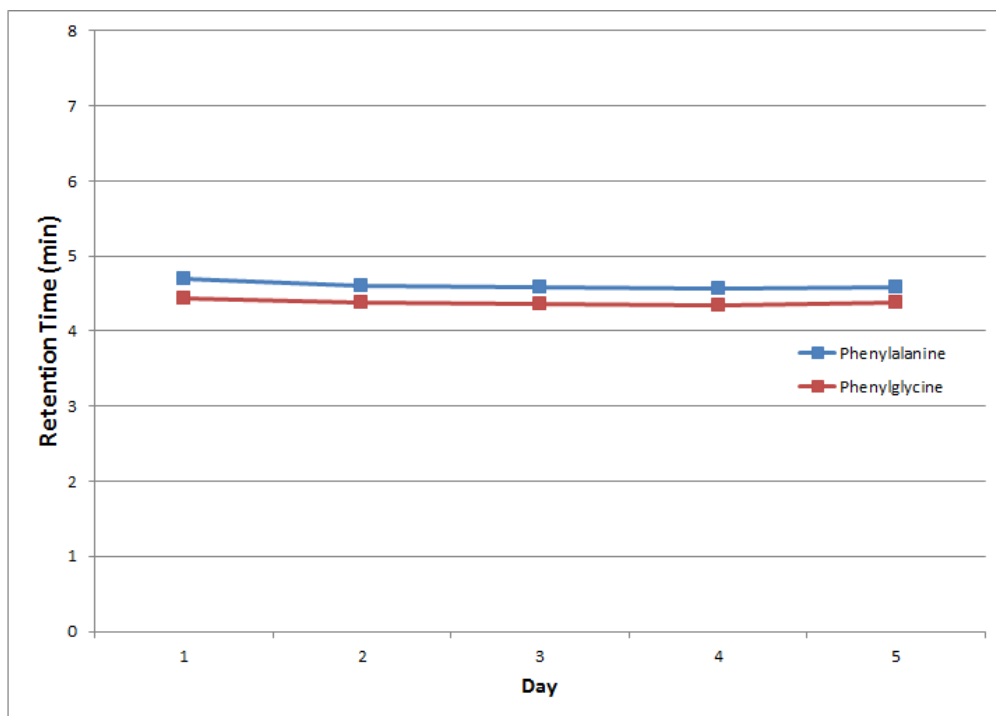


Cogent Diamond Hydride 2.0 HPLC column retention time precision - AppNote

This graph is from a study investigating the day to day retention time precision with two test solutes on the Cogent Diamond Hydride 2.0™ HPLC column



Peaks:

Blue Trace: Phenylalanine

Red Trace: Phenylglycine

Many factors can affect column **robustness** and lifetime, so it is not possible to define specific values for those parameters.

Mobile Phase:

A: DI Water / 0.1% Formic Acid

B: Acetonitrile / 0.1% Formic Acid

Flow Rate: 0.3mL / minute

Injection Volume: 0.2uL

Detection: UV 254nm

Gradient:

Time (minutes)	%B
0	90

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MicroSolv Technology Corporation

9158 Industrial Blvd. NE, Leland, NC 28451

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

Email: customers@mtc-usa.com

Website: www.mtc-usa.com

MICROSOLV

6	20
7	20
8	90



[Cogent Diamond Hydride HPLC Column Ordering Information](#)

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