PRODUCT SHEET

MICROSOLV TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40008-05P-2

HPLC Column, Bidentate C8, 4um, 2.1mm ID x 50mm Length, 100A. Cogent TYPE-C Brand. 1 EA.

Additional Info

The 40008 05P 2 Cogent Bidentate C8™ HPLC Column is a short length, narrow bore analytical column designed for applications requiring alternative reversed phase selectivity with fast run times and LC MS compatibility. Manufactured using Cogent TYPE C™ silica hydride technology, this column delivers excellent selectivity, rapid equilibration, and extremely robust column lifetime compared with conventional silica based C8 phases.

The stationary phase consists of an aliphatic C8 hydrocarbon chain bonded via two direct silicon – carbon bonds (bidentate attachment) to a silica hydride surface. This chemistry produces a phase that is more hydrophobic than traditional C8 columns, yet less hydrophobic than Bidentate C18™, providing a useful middle ground when C18 retention is excessive. Unlike conventional C8 columns, this phase can also retain select hydrophilic compounds if desired.

The 2.1 /mm internal diameter supports low flow operation, reduced solvent consumption, and enhanced detector sensitivity, making this column a popular choice for LC MS workflows. The short 50 /mm length enables rapid separations and high sample throughput, provided the system can deliver precise low flo...

MicroSolv Technology Corporation
9158 Industrial Blvd. NE, Leland, NC 28451
tel. (732) 380-8900, fax (910) 769-9435
Email: info@mtc-usa.com
Website: www.mtc-usa.com