PRODUCT SHEET

MICROSOLV
TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40018-10P-2

HPLC Column, Bidentate C18, 4um, 2.1mm ID x 100mm Length, 100A. Cogent TYPE-C Brand. 1 EA.

Additional Info

The 40018 10P 2 Cogent Bidentate C18™ HPLC Column is a high resolution, narrow bore reversed phase column designed for LC MS applications where additional resolving power is required beyond short (50 /mm) formats. Built on Cogent TYPE C™ silica hydride technology, this column delivers unique selectivity, rapid equilibration, and exceptional chemical robustness compared to conventional silica based C18 columns.

The stationary phase features an aliphatic C18 chain bonded via two direct silicon – carbon bonds (bidentate attachment) to a silica hydride surface. This chemistry produces a phase that is highly hydrophobic yet versatile, capable of retaining compounds that often show poor retention on traditional C18 columns. Unlike standard C18 phases, this column can be operated with 100 /% aqueous mobile phases without phase collapse and can tolerate very low pH conditions (below pH /2) with no damage.

The 2.1 /mm internal diameter enhances MS sensitivity while lowering solvent consumption, and the 100 /mm length increases plate count and separation efficiency. This combination makes the column a popular choice for LC MS workflows

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