PRODUCT SHEET

MICROSOLV
TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40018-25P

HPLC Column, Bidentate C18, 4um, 4.6mm ID x 250mm Length, 100A. Cogent TYPE-C Brand. 1 EA.

Additional Info

The 40018 25P Cogent Bidentate C18™ HPLC Column is a long format analytical column designed for separations that demand maximum resolving power and extended retention. Built on Cogent TYPE C™ silica hydride technology, this column delivers unique selectivity, fast equilibration, and exceptional chemical robustness, even under aggressive method conditions.

The stationary phase features an aliphatic C18 chain bonded via two direct silicon – carbon bonds (bidentate attachment) to a silica hydride surface. This non traditional reversed phase chemistry creates a surface that is highly hydrophobic yet versatile, enabling retention of analytes that often show weak or inconsistent retention on conventional silica based C18 columns.

Unlike standard C18 phases, the Bidentate C18™ can operate with 100 /% aqueous mobile phases without phase collapse and tolerates very low pH conditions (below pH /2) with no damage. These attributes allow method development across a

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