PRODUCT SHEET

MICROSOLV
TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40018-15P

HPLC Column, Bidentate C18, 4um, 4.6mm ID x 150mm Length, 100A. Cogent TYPE-C Brand. 1 EA.

Additional Info

The 40018 15P Cogent Bidentate C18™ HPLC Column is a long format analytical column designed to deliver maximum resolving power while retaining the unique advantages of TYPE C™ silica hydride technology. This column is frequently selected when challenging mixtures require greater peak capacity than shorter formats can provide, or when method robustness under aggressive conditions is essential.

The stationary phase consists of an aliphatic C18 chain bonded via two direct silicon – carbon bonds (bidentate attachment) to a silica hydride surface. This non traditional C18 chemistry produces a phase that is extremely hydrophobic yet versatile, capable of retaining compounds that often exhibit little or no retention on conventional silica based C18 columns.

Unlike standard C18 phases, the Bidentate C18™ can be operated with 100 /% aqueous mobile phases without phase collapse and can tolerate very low pH conditions (below pH /2) with no damage to the column. These properties enable method development across a wider operating window than traditional reversed phase materials.

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