PRODUCT SHEET

MICROSOLV
TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40208-15P-3

CUSTOM ITEM: HPLC Column, Bidentate C8 2.o, 2.2um, 3.0mm ID x 150mm Length, 120A. Cogent TYPE-C Brand. 1 EA.

Additional Info

The 40208 15P 3 Cogent Bidentate C8™ /2.o HPLC Column is a custom manufactured, mid bore, long format reversed phase column designed for laboratories that require alternative C8 selectivity with enhanced resolution, while also reducing solvent consumption compared to traditional 4.6 /mm ID formats. Built on Cogent TYPE C™ silica hydride technology, this column delivers excellent selectivity, faster equilibration, and near UHPLC performance on standard analytical HPLC systems.

The Bidentate C8™ /2.o stationary phase uses a shorter alkyl ligand than C18, providing controlled hydrophobic interaction for non polar and hydrophobic analytes that may be excessively retained on C18 columns. The silica hydride surface with direct silicon – carbon bonding minimizes secondary interactions and maintains stable retention behavior across a broad method window.

With a 3.0 /mm internal diameter and 150 /mm length, this column offers resolution comparable to longer 4.6 /mm ID columns, but operates at lower flow rates, resulting in significant solvent savings. Importantly, this efficiency gain does not

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