PRODUCT SHEET

MICROSOLV TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

65318-25P-4

HPLC Column, Zx Similars C18, 3um, 4.0mm ID x 250mm Length. Cogent Brand. 1 EA. Special Order Item.



Additional Info

Zx Similars C18™ is a traditional reversed-phase HPLC stationary phase manufactured on high-purity Type-B spherical silica with a fully endcapped octadecyl (C18) bonded phase. Designed as a cost-effective alternative to Agilent Zorbax® C18 columns, it offers comparable chromatographic behavior for USP L1 methods while providing the strong hydrophobic retention, reproducibility, and broad applicability expected from a conventional C18 stationary phase.

65318-25P-4 is a 250 mm x 4.0 mm ID analytical column packed with 3 µm Zx Similars C18 particles. The extended 250 mm length provides increased theoretical plate counts and enhanced resolving power for impurity profiling, complex sample matrices, and challenging separations where maximum resolution is required. The 3 µm particle size delivers higher efficiency and improved peak capacity compared to traditional 5 µm columns while generating increased operating pressure that should be considered during method development. The 4.0 mm ID format is commonly selected for legacy methods and typically operates at approximately 0.8 – 1.5 mL/min.

This USP L1 column is ideal for hydrophobic and neutral compounds requiring strong reversed-...

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