PRODUCT SHEET

MICROSOLV TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

65308-25P-4

HPLC Column, Zx Similars C8 Octyl, 3um, 4.0mm ID x 250mm Length. Cogent Brand. 1 EA. Special Order Item.

Additional Info

Zx Similars C8™ Octyl is a traditional reversed-phase HPLC stationary phase manufactured on high-purity Type-B spherical silica with a fully endcapped octyl (C8) bonded phase. Designed as a cost-effective alternative to Agilent Zorbax® C8 columns, it offers comparable chromatographic behavior for USP L7 methods while providing the moderate hydrophobic retention, reproducibility, and reliability expected from a conventional C8 stationary phase. Compared to C18 columns, C8 phases generally provide reduced retention and faster elution of hydrophobic analytes.

65308-25P-4 is a 250 mm x 4.0 mm ID analytical column packed with 3 µm Zx Similars C8 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 – ...

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