



Can I use the certified HPLC column supplied in the HSQ Kit for UHPLC performance qualification - FAQ

Yes, the MicroSolv HSQ Kit™ is supplied with a 5µm particle size HPLC column that can be used to qualify a UHPLC instrument; you do not need a 2µm particle size in a UHPLC column.

Many qualification parameters are detector related such as absorbance **linearity**, wavelength accuracy, etc. Column related aspects are not involved in the calculations.

PLEASE NOTE: Calculation of system parameters such as extra column dispersion may involve measurements of column related values such as efficiency but these values are relative to each other. For example, the earlier a peak elutes, the greater the extra column dispersion is relative to the peak volume itself. In an ideal system, all peaks would have about the same efficiency, so as soon as you see a trend of early peaks having lower efficiency, leading up to a constant efficiency with later eluting peaks, it is due to extra column dispersion. So it doesn't matter whether a 4µm or 2µm particle size column is used to determine the extra column dispersion value.

Click [HERE](#) for HSQ Kit ordering information and pictures.

Printed from the Chrom Resource Center

MicroSolv Technology Corporation

9158 Industrial Blvd. NE, Leland, NC 28451

tel. (732) 380-8900, fax (910) 769-9435

Email: customers@mtc-usa.com

Website: www.mtc-usa.com

Date: 05-20-2024