



How can a finger tight fitting be producing band broadening in HPLC – FAQ

Most chromatographers may not realize it but if fittings and tubing are not properly seated and a perfect connection is accomplished, a small but important dead volume can occur that does not get swept.

This extra volume can cause band broadening or ghost peaks or may decrease the sensitivity of your run by increasing baseline noise.

To attain a proper seat for good results, the tip of the tubing (tubing must be properly cut) that the fitting and ferrule are holding must make a perfect alignment with the Inlet of the receiving port.

Click [HERE](#) for HPLC fittings 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: 05-06-2024