



## What is a master batch for Cogent HPLC columns – FAQ

**A master batch is a production term for a technique used to assure consistency in the stationary phase performance from column to column, month to month and year to year.**

When MicroSolv manufactures the stationary phase used in Cogent TYPE-C™ silica HPLC columns, the material undergoes stringent testing including but not limited to FTIR, carbon loading and HPLC selectivity testing to assure that the product meets our QA requirements. Physical properties as well as chemical and chromatographic criteria must be met.

This “batch” or lot, if approved, will be blended into previously approved production batches by processes that makes the new material homogeneous the same as the previous batch and columns. The ratio is never less than 1:1 by volume and weight thus assuring that the material is consistent with previous batches.

This Master batch method preserves the original components of the primary master batch. This technique acts as the foundational material for producing commercial HPLC Columns. This strategy guarantees uniform performance over time. With the Cogent TYPE-C™ columns, laboratories can confidently establish validated methods, knowing that we maintain rigorous QC and QA protocols as well as maintain consistency in our products.

Click [HERE](#) for Cogent TYPE-C Silica™ phase index



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**MicroSolv Technology Corporation**

9158 Industrial Blvd. NE, Leland, NC 28451

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

Email: [customers@mtc-usa.com](mailto:customers@mtc-usa.com)

Website: [www.mtc-usa.com](http://www.mtc-usa.com)

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