



# APPLICATION NEWS

## HILIC Chemistries

Epic HILIC-FL sub-2 is a new stationary phase for HILIC chromatography. It consists of a fluorinated based stationary phase bound to silica. This composition provides for excellent retention/peak shape for polar halogenated, polar amines and polar aromatic compounds.

Epic HILIC-RP is a new stationary phase for a combination of HILIC and reversed phase chromatography. It is a combination of a polyhydroxylated polymer coated and bound to silica and ODS groups also bound to silica. This composition provides hydroxyl levels that are well above conventional hydroxyl and diol type stationary phases.

Epic HILIC-PI is a new stationary phase for HILIC chromatography. It consists of an aromatic amine based stationary phase bound to silica. This composition provides for excellent retention and peak shape for polar amine compounds and superior retention of acids.

Epic HILIC-POH (POH for polyhydroxylated) is a new stationary phase for HILIC chromatography. It is composed of a polyhydroxylated polymer coated and bound to silica. This composition provides hydroxyl levels that are well above conventional hydroxyl and diol type stationary phases. One example of a separation performed on Epic HILIC-POH is shown below. The chromatogram shows the separation and retention of two highly polar compounds – Dehydroascorbic acid (DHAA) and ascorbic acid (AA).

