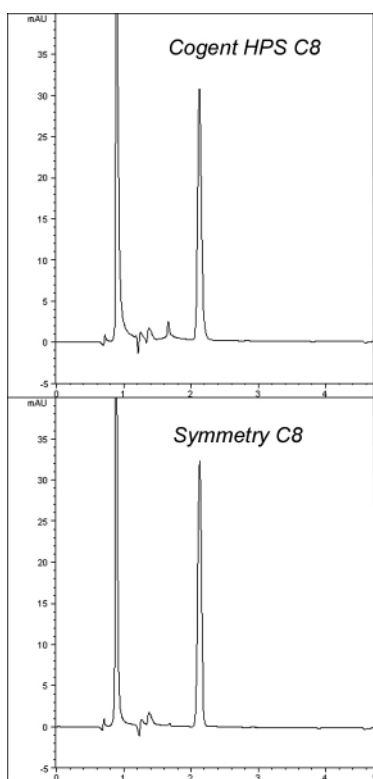
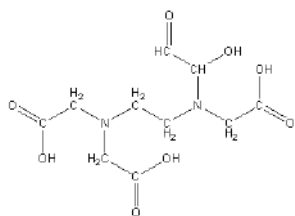


A Column Comparison In A Sensitive Method For EDTA: ethylenediaminetetraacetic acid



Method Conditions

Column 1: Cogent HPS C8TM, 5µm, 120Å
Column 2: Waters® Symmetry C8TM
Catalog No.: 75008-15P
Dimensions: 4.6 x 150 mm
Mobile phase: 2% Acetonitrile, 98% DI Water 0.1% Acetic Acid
 pH 3.5, plus 2g/L Tetrabutylammonium sulfate
Flow rate: 2.0 mL/minute
Peaks: 1. Water (solvent front)
 2. EDTA Fe3+
Injection Volume: 20 µL
Detection: UV 258 nm
Temperature: 40°C
LOQ: 0.2µg/mL

Discussion

Detectable using UV detectors and it also helps in the selectivity of the compound. This method produces excellent peak shapes and selectivity using the Cogent HPS C8TM making it a great choice. Comparing the Cogent HPS C8TM to a market leader, Waters Symmetry C8TM, you can see that the columns are equal in every chromatography aspect.

For more information visit www.MTC-USA.com

Note: EDTA is a synthetic metal complexing reagent that is used in a wide variety of industrial applications. Used as a preservative, it has very low biodegradability thus remains in the environment for long periods of time. Found in sewer water, freshwater and ground water, it re-solubilizes precipitated toxic metals back into solution where they can be ingested by plants and animals

Cat. No.	Description
75008-15P	Cogent HPS C8 TM HPLC Column, 5mm, 120A, 4.6mm x 150mm