Highly versatile and simple: different types of surfactants can be determined using...

Compatible with various detection methods, including charged aerosol, mass...

Liu, X.; Pohl, C.; Weiss, J. New Polar...

Well suited to cationic surfactant analysis -

Excellent resolution for ethoxylated surfactants

Liu, X.; Pohl, C.; A Versatile Column for Surfactant Analysis by HPLC.

FIGURE 2. Separation of cationic surfactants. This work describes a complete, simple, and versatile methodology for...

Throughput Surfactant Analysis by HPLC

Purpose:

Overview

Surfactants are a diverse group of chemicals whose structures vary widely, but generally consider their properties before and after solubilization of a surfactant.

Introduction

Methods

Separation Column

Separation Column

Sample

Sample

Methods

Separation Column

Sample

FIGURE 3. Resolution of similar analytes.

Conclusion

Concentrations of surfactants are usually determined using capillary GC and LC methods with little or no modifications, because both detectors share the same detection principles.

Applications

Laundry detergent contains many components, including biodegradable surfactants.

FIGURE 4. Laundry detergent (Brand A and Brand B)

Hydrophobic Organic Compounds

Hydrophobic Organic Compounds

Hydrophobic Organic Compounds

FIGURE 5. Shampoo samples

Analysis

Shampoo samples various combinations of aromatic, cationic, anionic, and amphoterics, in a wide range of samples, such as consumer products, industrial cleaning agents, and laboratory reagents. Shampoo samples were used in this study to verify the performance of the Corona Ultra RS detector. In general, the Corona Ultra RS detector demonstrated high sensitivity and precision, with high...

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