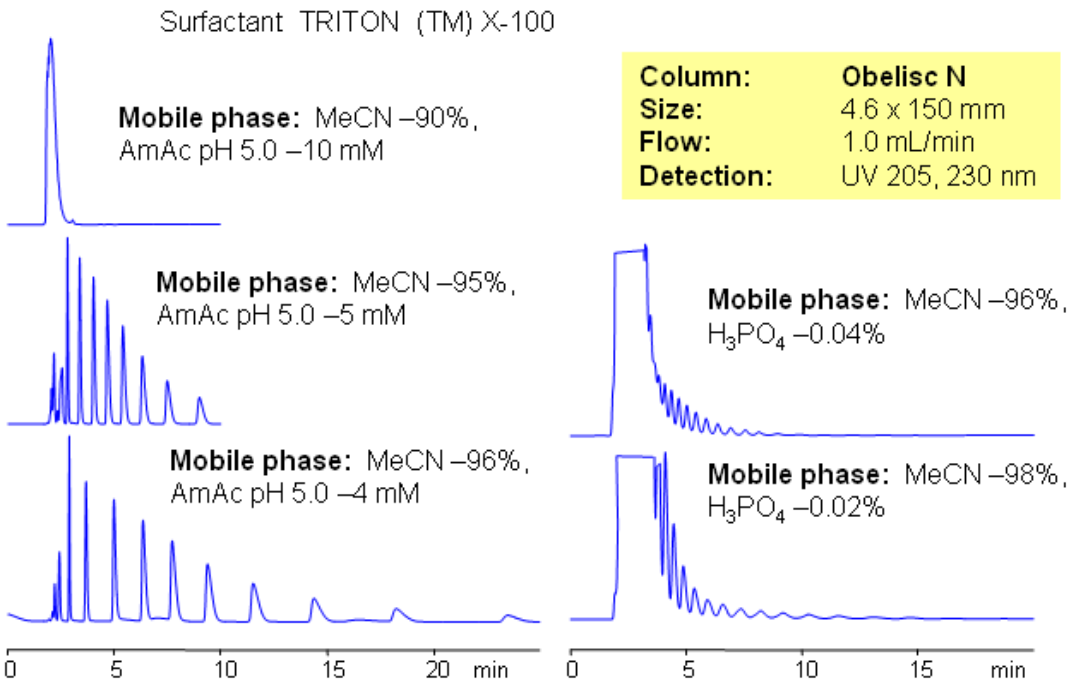
HILIC Separation of Surfactant Triton X-100 on Obelisc N Column



Triton X-100 is a non-ionic surfactant which has a hydrophilic polyethylene oxide group (on average it has 9.5 ethylene oxide units), and a hydrocarbon lipophilic or hydrophobic group. Obelisc N HPLC columns are used to separate oligomers of Triton X-100. Separation is achieved by hydrophilic interaction chromatography. This method can be used in determination of oligomers of Triton X-100 in detergents, liquid, paste, and powdered cleaning formulations. This separation can be monitored with almost any detection technique (ultra-violet, ELSD, LC/MS, RI, CAD, etc.)

Method Parameters

Column	Obelisc N, 4.6×150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H2O
Buffer	AmAc pH 5.0
Flow Rate	1.0 mL/min
Detection	UV 250, 230 nm

Quelle:
https://sielc.com/Application-HILIC-Separation-of-Surfactant-Triton-X-100%20on%20Obelisc%20N%20Column