

Polysorbate 80 (Tween[®] 80) HPLC-UV Analysis on a Yarra[™] 1.8 μ m SEC-X150 Aqueous GFC/SEC Column

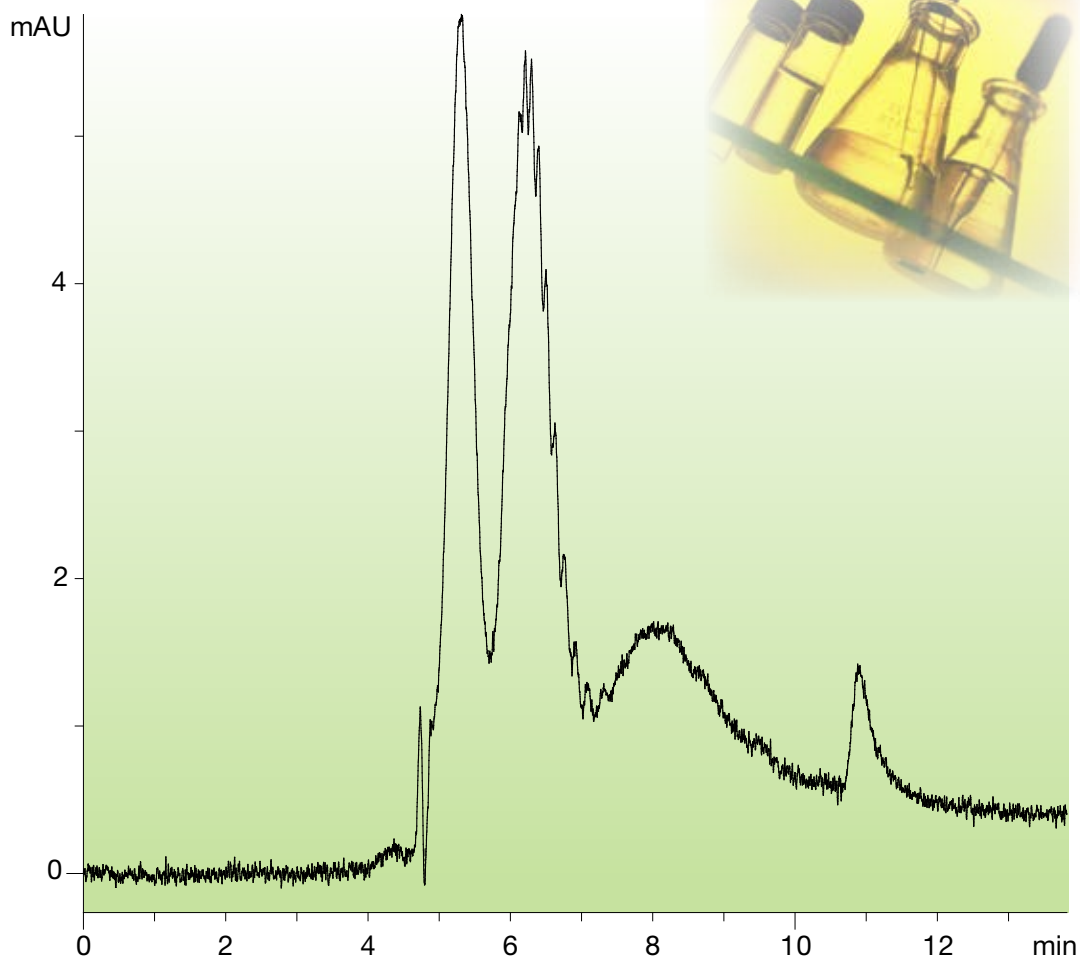
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Overview

Polysorbate 80, also known as Tween 80, is very popular in the pharmaceutical, food, and cosmetic industries as an excipient, or inactive ingredient, in products such as tablets, vaccines, intravenous preparations, lotions, and soaps. The primary role of this pharmaceutical excipient is a solubilizing agent acting as a surfactant to assist with the solubility of all other pharmaceutical ingredients and also dissolution of the tablet. In the food and cosmetic industries, Tween 80 is used as an emulsifier for dissolving oils, as well as a surfactant. In this application, Tween 80 is analyzed by HPLC-UV using a Yarra 1.8 μ m SEC-X150 150 x 4.6 mm aqueous size exclusion (SEC), or gel filtration chromatography (GFC), column in under 12 minutes.

LC/UV Conditions

Column: Yarra 1.8 μ m SEC-X150
Dimensions: 150 x 4.6 mm
Part No.: 00F-4631-E0
Mobile Phase: Water/Acetonitrile (65:35)
Flow Rate: 0.4 mL/min
Temperature: Ambient
Detection: UV @ 245 nm
Sample: Tween 80



App ID 23389



APPLICATION

Ordering Information

Yarra 1.8 µm SEC Bio-Inert Columns (mm)

	Analytical	Analytical
Phases	150 x 4.6	300 x 4.6 mm
Yarra 1.8 µm SEC-X150	00F-4631-E0	00H-4631-E0
Yarra 1.8 µm SEC-X300	00F-4743-E0	00H-4743-E0

Yarra 1.8 µm SEC Stainless Steel Columns (mm)

	Analytical	Analytical	SecurityGuard ULTRA Cartridges***
Phases	150 x 4.6	300 x 4.6 mm	3/pk
Yarra 1.8 µm SEC-X150	00F-4631-E0-SS	00H-4631-E0-SS	AJO-9512
Yarra 1.8 µm SEC-X300	00F-4743-E0-SS	00H-4743-E0-SS	AJO-9513

***SecurityGuard ULTRA cartridges require holder, Part No.: AJO-9000 For Stainless Steel Only



View more information at www.phenomenex.com/Yarra



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