

<https://sielc.com/hplc-method-for-analysis-of-sucrose-stearate>

Description

High Performance Liquid Chromatography (HPLC) Method for Analysis of Sucrose Stearate .

Sucrose Stearate is a sugar ester with the chemical formula $C_{30}H_{58}O_{13}$. It is used primarily as an emulsifier and moisturizer in lotions, creams, and cleansers.

Sucrose Stearate can be retained and analyzed using the Chromni stationary phase column. The analysis utilizes a gradient method with a simple mobile phase consisting of ethanol and acetonitrile (MeCN). Detection is performed using ELSD.

Method Parameters

Mobile Phase	MeCN/EtOH
Buffer	None

Flow Rate	1.0 ml/min
Detection	ELSD, the nebulizer and evaporator temperatures 50°C with a gas flow rate of 1.6 Standard Liters per Minute (SLM)
Class of Compounds	Sugar
Analyzing Compounds	Sucrose Stearate

HPLC Column Used

Chromni, 3.2 x 100 mm, 3 µm, 100 A, dual ended

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)