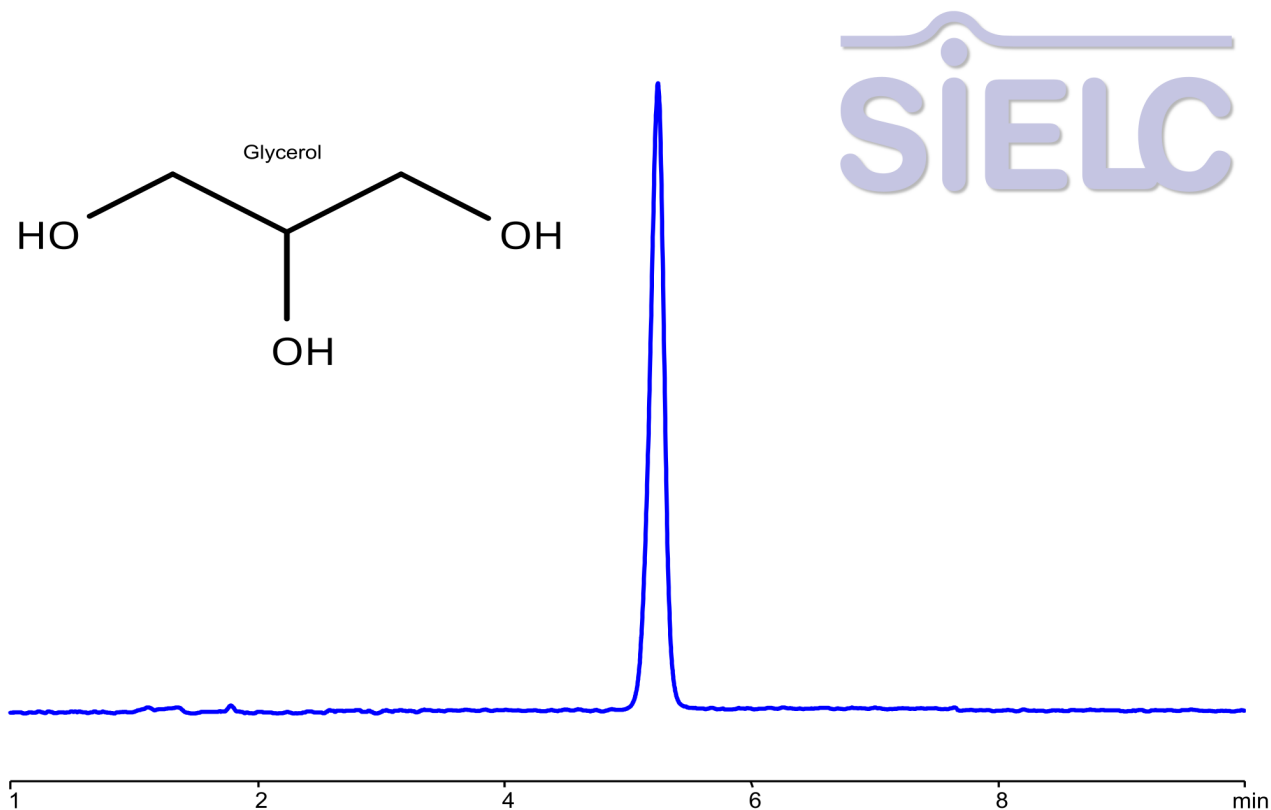


Chromatogram

HPLC Method for Analysis of Glycerol on Primesep AP Column



Column:	Primesep AP
Column size:	4.6 x 150 mm, 5 µm
Column part number:	AP-46.150.0510
Mobile phase:	MeCN/H ₂ O – 90%
Buffer:	Formic Acid – 0.5%
Flow rate:	1.0 mL/min
Sample:	1:100 (v/v) dilution in MeCN
Injection volume:	1 µm
Detection:	ELSD or RI

Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Glycerol · Glycerol is an organic compound with the molecular formula C₃H₈O₃. · Properties: Appearance: Typically a colorless, odorless, and syrupy liquid. · Molecular weight: ~92.09 g/mol · Solubility: Soluble in Water.

Uses: Used in many industries and for many products including skin care, sweetener, dry skin solutions, soap, moisturizers, pharmaceuticals, humectant and food.

Glycerol can be retained and analyzed using the Primesep AP stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water, acetonitrile (MeCN), and formic acid. Detection is performed using ELSD or RI.

Method Parameters

Mobile Phase	MeCN – 90%
Buffer	Formic Acid – 0.5%
Detection	ELSD or RI
Class of Compounds	Simple Triol
Analyzing Compounds	Glycerol

HPLC Column Used

Primesep AP, 4.6 x 150 mm, 5 µm, 100 A, dual ended

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