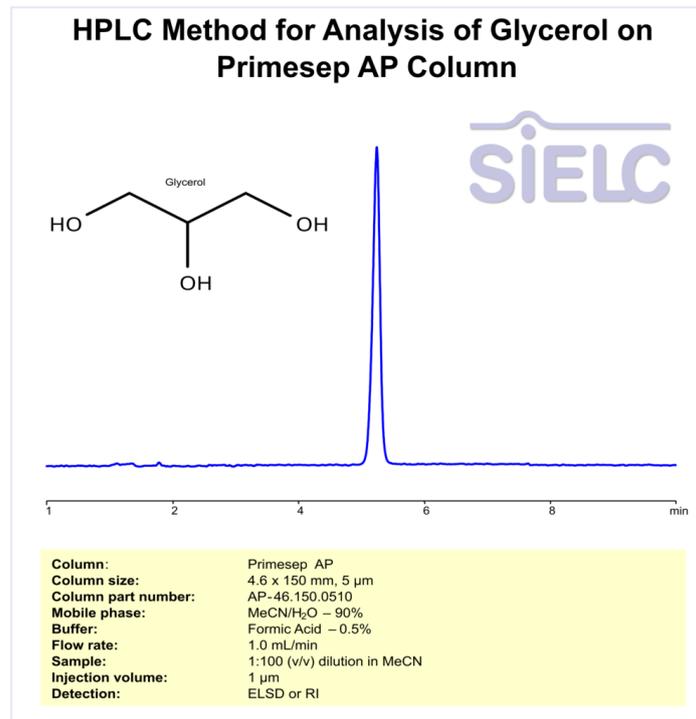


## HPLC Method for Analysis of Glycerol on Primesep AP Column



High Performance Liquid Chromatography (HPLC) Method for Analysis of Glycerol

Glycerol is an organic compound with the molecular formula C<sub>3</sub>H<sub>8</sub>O<sub>3</sub>.

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

<b>Column</b>	Primesep AP, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN – 90%
<b>Buffer</b>	Formic Acid – 0.5%
<b>Detection</b>	ELSD or RI

Quelle: <https://sielc.com/hplc-method-for-analysis-of-glycerol>