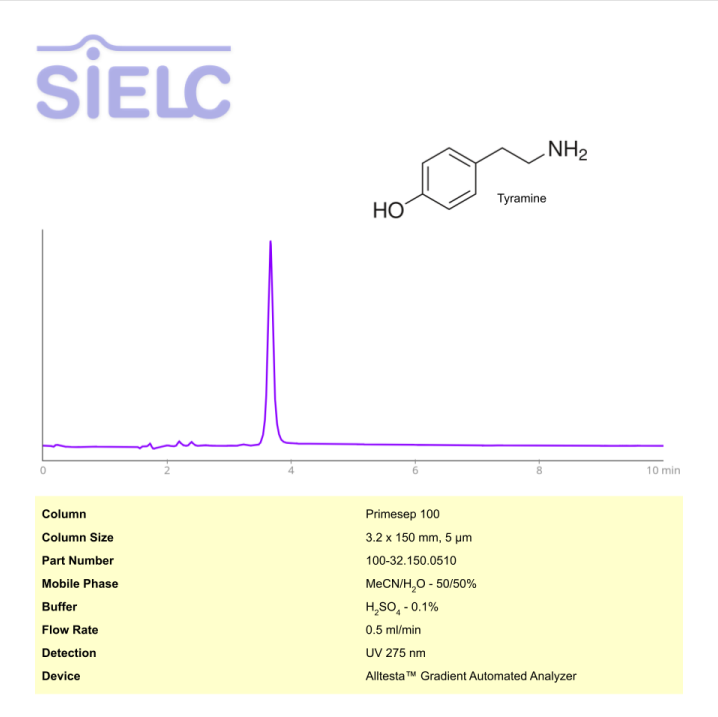
HPLC Method for Analysis of Tyramine on Primesep 100 Column on Alltesta™



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

Tyramine is an amine compound with the molecular formula C8H11NO . As a monoamine oxidase (MAO) substrate, it is broken down by the enzyme MAO in the body. It is typically found in fermented, aged, smoked, and dried foods.

Tyramine can be retained and analyzed using the Primesep 100 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a sulfuric acid buffer. Detection is performed using UV.

Method Parameters

Column	Primesep 100, 3.2 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 50%
Buffer	Sulfuric Acid
Flow Rate	0.5 mL/min
Detection	UV 275 nm

Quelle: https://sielc.com/hplc-method-for-analysis-of-tyramine-2