HPLC Method for Analysis of 4-Amino-2-nitrophenol on Primesep 100 Column with Cromite™

High Performance Liquid Chromatography (HPLC) Method for Analysis of 4-Amino-2-nitrophenol

4-Amino-2-nitrophenol is a hydrocarbon with the molecular formula C6H6N2O3 . It is a red-purple powder that is typically used in as an oxidation base in hair dye. California considers this compound a carcinogen.

4-Amino-2-nitrophenol 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 100 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-4-amino-2-nitrophenol-cromite