

HPLC Method for Analysis of Butylated Hydroxyanisole (BHA) on Newcrom R1 Column on Cromite™



High Performance Liquid Chromatography (HPLC) Method for Analysis of Butylated Hydroxyanisole (BHA)

Butylated Hydroxyanisole (BHA) is a petrochemical with the chemical formula $C_{11}H_{16}O_2$. Due to it's antioxidant properties, it is used in preservation of food, cosmetics, and pharmaceuticals. Due to previous experiments in animals, it is suspected to be a carcinogen for humans.

Butylated Hydroxyanisole (BHA) can be retained and analyzed using the Newcrom R1 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with phosphoric acid as a buffer. Detection is performed using UV.

Method Parameters

Column	Newcrom R1, 3.2 x 100 mm, 5 μ m, 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-butylated-hydroxyanisole>