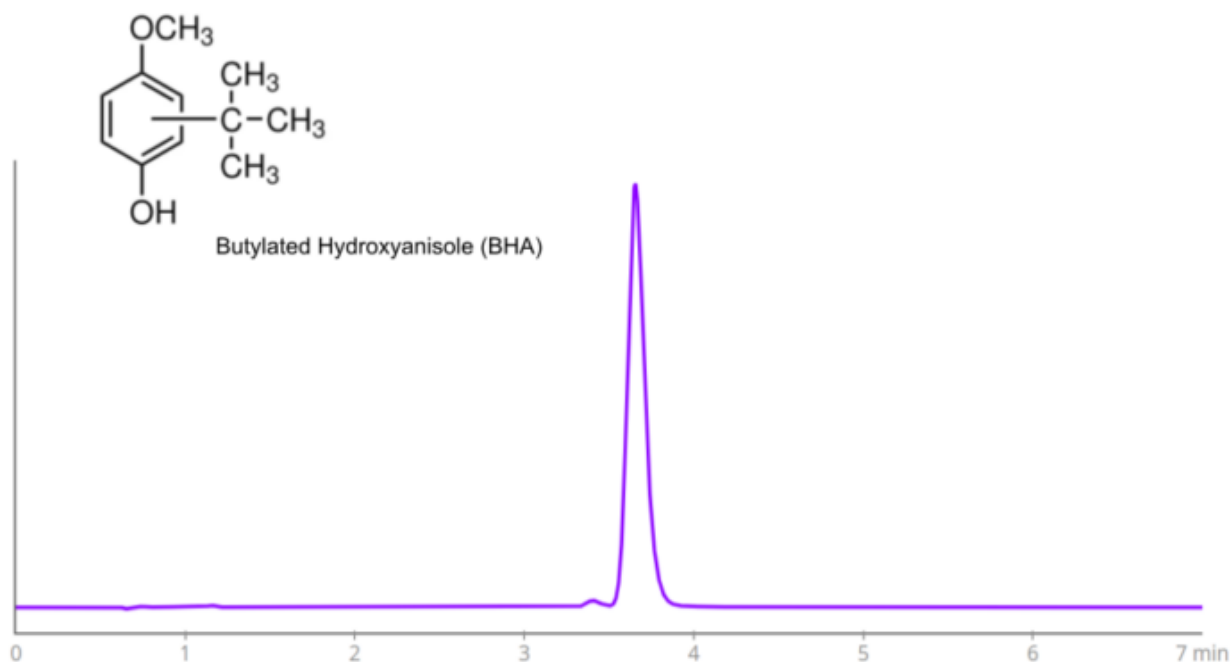


HPLC Method for Analysis of Butylated Hydroxyanisole (BHA) on Newcrom R1 Column on Cromite™

<https://sielc.com/hplc-method-for-analysis-of-butylated-hydroxyanisole>

Chromatogram

SiELC



Column	Newcrom R1
Column Size	3.2 x 100 mm, 5 µm
Part Number	NR1-32.115.0510
Mobile Phase	MeCN/H ₂ O - 50/50%
Buffer	H ₂ SO ₄ - 0.1%
Flow Rate	0.5 mL/min
Injection Volume	5 µL
Detection	UV 275 nm
Device	Cromite™ HPLC System

Description

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

Butylated Hydroxyanisole (BHA) is a petrochemical with the chemical formula C₁₁ H₁₆ O₂ . 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

Mobile Phase	MeCN – 50%
Buffer	Sulfuric Acid
Flow Rate	0.5 mL/min
Detection	UV 275 nm
Class of Compounds	Phenolic Antioxidants
Analyzing Compounds	Butylated Hydroxyanisole (BHA)

HPLC Column Used

Newcrom R1, 3.2 x 100 mm, 5 µm, 100 A, dual ended

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