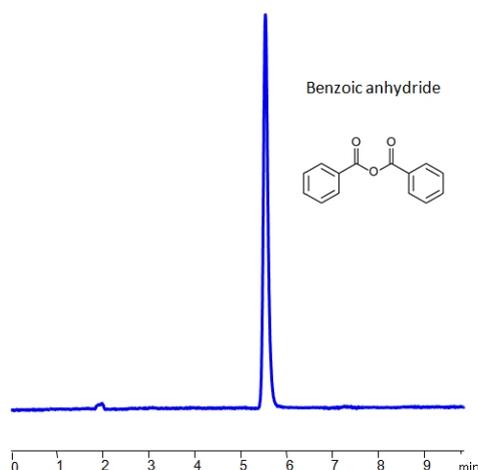


HPLC Determination of Benzoic Anhydride on Newcrom R1 Column



Column:	Newcrom R1
Column size:	4.6 × 150 mm, 5 µm
Column part number:	NR1-46.150.0510
Mobile phase:	MeCN/H ₂ O – 70/30%
Buffer:	No
Flow rate:	1.0 mL/min
Detection:	UV 275 nm

High Performance Liquid Chromatography (HPLC) Method for Analysis of Benzoic Anhydride.

Benzoic Anhydride is the more active analogue of benzoic acid formed via dehydration. It has the chemical formula C₁₄H₁₀O₃. Benzoic anhydride is used as a benzoylating agent in the manufacture of pharmaceuticals, intermediates and dyes. It is considered the simplest symmetrical aromatic acid anhydride.

Benzoic Anhydride can be retained in HPLC on Newcrom R1 reverse-phase column with the simple isocratic mobile phase consisting of acetonitrile (MeCN), water and detected by UV, ELSD, CAD or LC/MS.

Method Parameters

Column	Newcrom R1, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 70%
Buffer	No
Flow Rate	1.0 mL/min
Detection	UV 275 nm

Quelle: <https://sielc.com/hplc-determination-of-benzoic-anhydride>