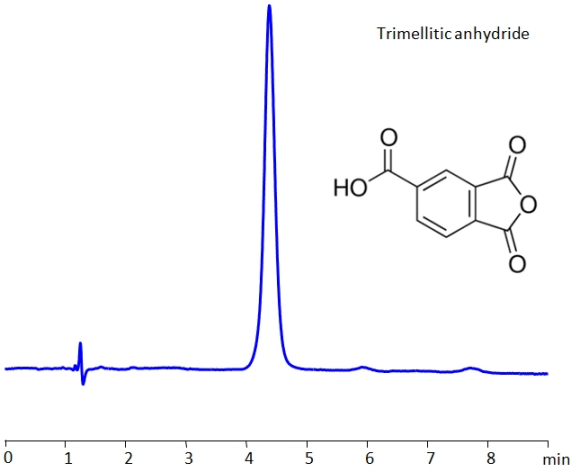
HPLC Determination of Trimellitic anhydride on Newcrom BH



Column:	Newcrom BH
Column size:	3.2 × 100 mm, 5 µm
Mobile phase:	MeCN/H2O – 5/95%
Buffer:	H2SO4 – 0.2%
Flow rate:	0.5 ml/min
Detection:	UV 210 nm

High Performance Liquid Chromatography (HPLC) Method for Analysis of Trimellitic anhydride .

Trimellitic anhydride is a trifunctional, highly reactive aromatic anhydride with the chemical formula C9H4O5 . It is used as a curing agent for epoxy and other resins; in vinyl plasticizers, paints, coatings, dyes, pigments and a wide variety of other manufactured products.

Trimellitic anhydride can be retained in HPLC with a Newcrom BH mixed-mode column using a mobile phase of acetonitrile (ACN) and water and Sulfuric Acid (H2SO4) buffer allowing the use of a UV detector at 210 nm.

Method Parameters

Column	Newcrom BH, 3.2 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 5/95%
Buffer	H2SO4 – 0.2%
Flow Rate	0.5 mL/min
Detection	210 nm

Quelle: https://sielc.com/hplc-determination-of-trimellitic-anhydride-on-newcrom-bh