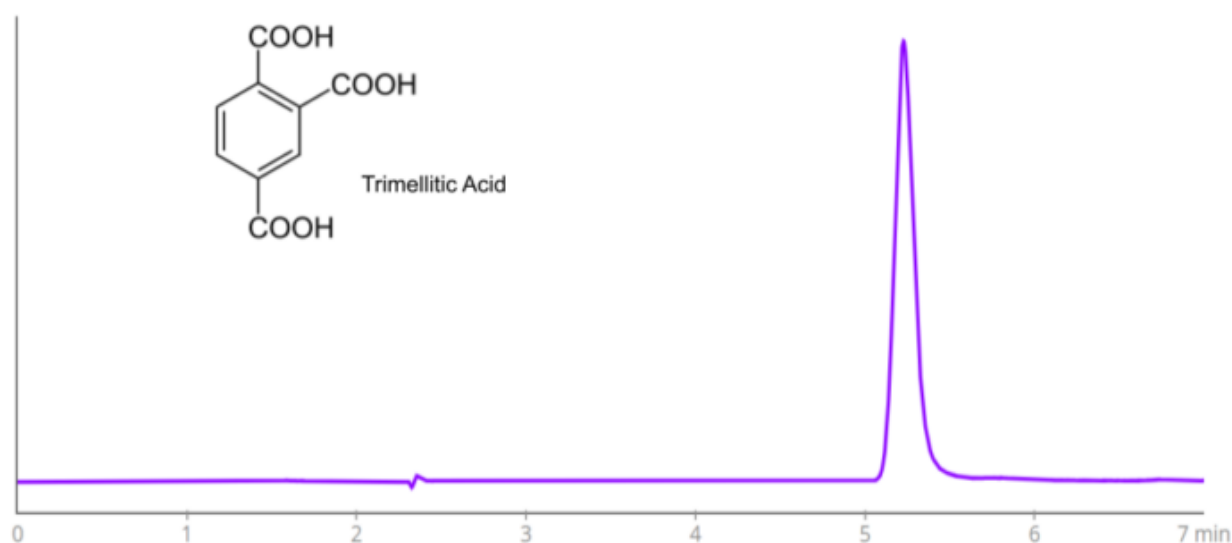


HPLC Method for Analysis of Trimellitic Acid on Newcrom BH Column on Alltesta™

<https://sielc.com/hplc-method-for-analysis-of-trimellitic-acid>

Chromatogram

SiELC



Column	Newcrom BH
Column Size	NBH-46.150.0310
Part Number	NR1-32.115.0510
Mobile Phase	MeCN/H ₂ O - 10/90%
Buffer	H ₂ SO ₄ - 0.1%
Flow Rate	1 mL/min
Injection Volume	3 µL
Detection	UV 275 nm
Device	Cromite™ HPLC System

Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Trimellitic Acid

Trimellitic Acid is an isomer of benzenetricarboxylic acid with the chemical formula C₉H₆O₆. It is primarily used as carboxylate ligand in the synthesis of a wide range of metal-organic frameworks (MOFs).

Trimellitic Acid can be retained and analyzed using the Newcrom BH stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with sulfuric acid as a buffer. Detection is

performed using UV.

Method Parameters

Mobile Phase	MeCN – 10%
Buffer	Sulfuric Acid
Flow Rate	1.0 mL/min
Detection	UV 275 nm
Class of Compounds	Acid
Analyzing Compounds	Trimellitic Acid

HPLC Column Used

Newcrom BH, 4.6 x 150 mm, 3 µm, 100 A, dual ended

[Order this column at hplc-shop.de →](#)