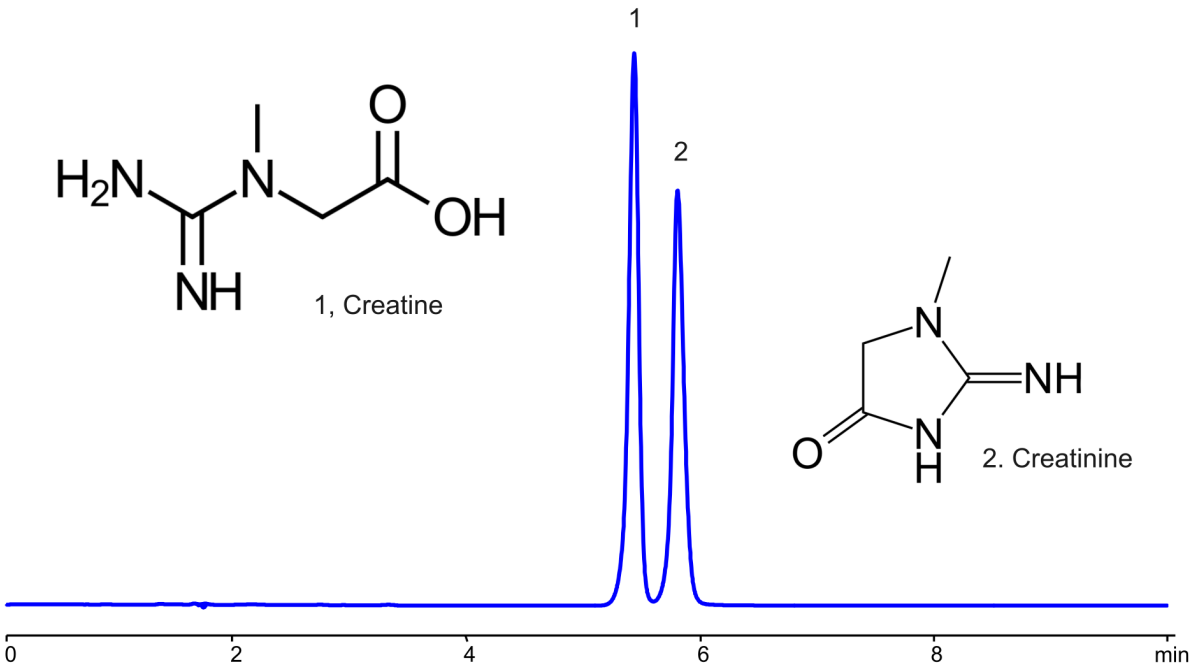
# HPLC Method for Analysis of Creatine and Creatinine on Chromni Column

https://sielc.com/hplc-method-for-analysis-of-creatine-creatinine

## Chromatogram




| | |
|---|---|
| **Column**: | Chromni™ |
| **Column size:** | 4.6 × 150 mm, 3 µm |
| **Column part number:** | CHR-46.150.0310 |
| **Mobile phase:** | MeCN/$H_2O$ – 70/30% |
| **Buffer:** | $H_3PO_4$ - 0.1% |
| **Flow rate:** | 1.0 mL/min |
| **Detection:** | UV 275 nm |

## Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Creatine , Creatinine · Creatine is a non-protein amino acid-like compound with the molecular formula C 4 H 9 N 3 O 2 . · Properties: Appearance: Typically a white odorless powder. · Molecular weight: ~131.13 g/mol · Solubility: Soluble in water. · Uses: Dietary supplement. · Creatinine is a nitrogenous organic compound with the molecular formula C 4 H 7 N 3 O .

## Method Parameters

| | |
|---|---|
| **Mobile Phase** | MeCN – 70% |
| **Buffer** | Phosphoric Acid |
| **Flow Rate** | 1.0 ml/min |
| **Detection** | UV 275 nm |
| **Class of Compounds** | amino acid |
| **Analyzing Compounds** | Creatine,Creatinine |

**HPLC Column Used**

**Chromni, 4.6 x 150 mm, 3 µm, 100 A, dual ended**

Order this column at hplc-shop.de →