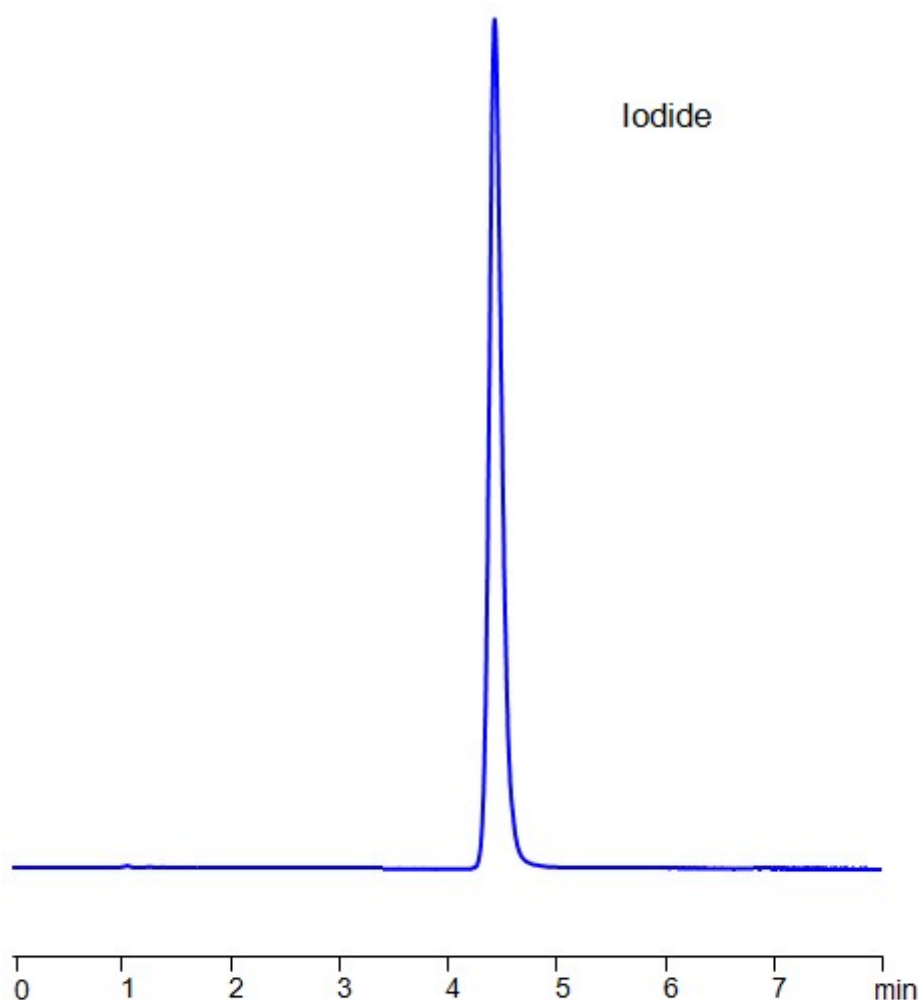


HPLC Method for Analysis of Iodide on Primesep B Column

<https://sielc.com/hplc-determination-of-iodide>

Chromatogram



Column:	Primesep B
Column size:	3.2 × 100 mm, 5 µm
Column part number:	B-32.100.0510
Mobile phase:	MeCN/H ₂ O – 50/50%
Buffer:	H ₂ SO ₄ - 0.5%
Flow rate:	0.5 mL/min
Detection:	UV 228 nm

Description

Iodide is an ion with the symbol I⁻. There is currently a worldwide iodine deficiency, which is a leading preventable cause of intellectual disability, has caused some governments to mandate iodized salt to be sold. It is naturally occurring as a mineral, iodargyrite. It is essential for thyroid hormone production. Lack of it can lead to iodine deficiency disorders. It is typically found in iodized salt and occasionally as an antiseptic. You can find detailed UV spectra of Iodide and information about its various

lambda maxima by visiting the following link .

Iodide can be retained and analyzed using the Primesep B stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a perchloric acid buffer. Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 50/50%
Buffer	H ₂ SO ₄ – 0.5%
Flow Rate	0.5 ml/min
Detection	UV 228 nm
Peak Retention Time	4.61 min
Class of Compounds	Inorganic
Analyzing Compounds	Iodide

HPLC Column Used

Primesep B, 3.2 x 100 mm, 5 µm, 100 A, dual ended

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