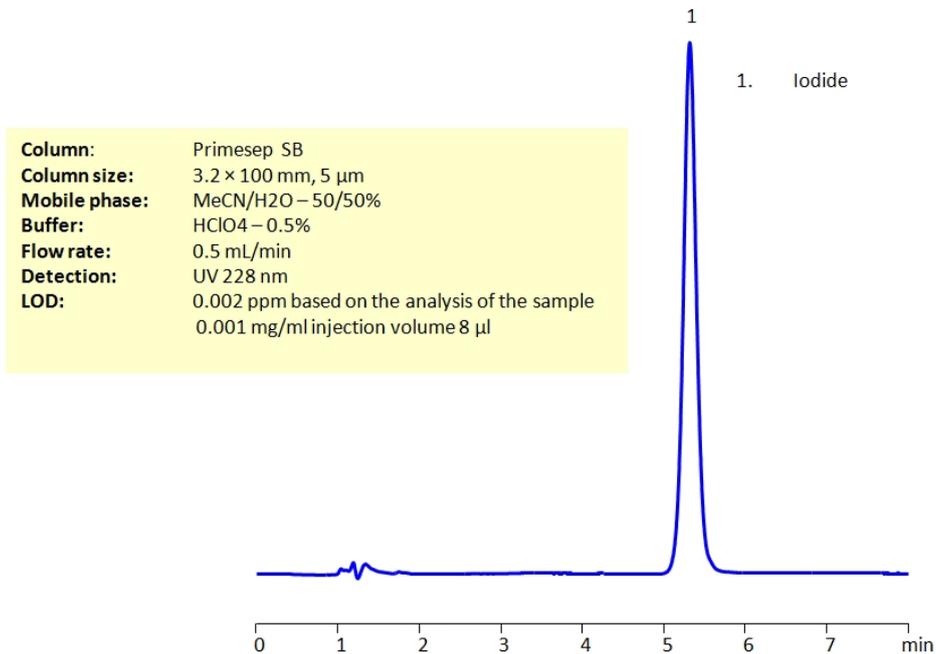


## HPLC Determination of Iodide on Primesep SB



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

Iodide is an ion with the symbol I<sup>-</sup>. 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.

Iodide can be retained and analyzed using the Primesep SB 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

<b>Column</b>	Primesep SB, 3.2 x 100 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O – 50/50%
<b>Buffer</b>	HClO <sub>4</sub> – 0.5%
<b>Flow Rate</b>	0.5 mL/min
<b>Detection</b>	UV 228 nm

Quelle: <https://sielc.com/hplc-determination-of-iodide-on-primesep-sb>