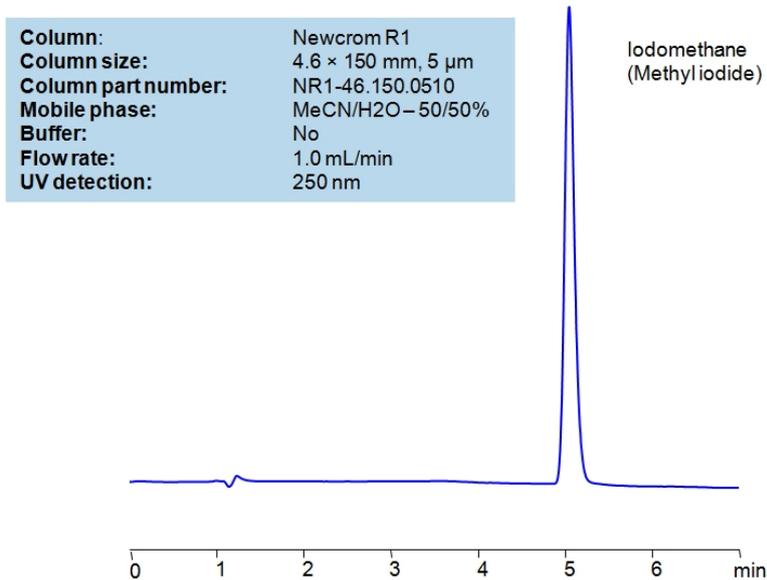


HPLC Method For Analysis Of Iodomethane (Methyl iodide)



High Performance Liquid Chromatography (HPLC) Method for Analysis of Iodomethane (Methyl iodide)

Iodomethane, also known as Methyl iodide, is a compound with the chemical formula CH_3I . It is a volatile liquid that is produced by rice, algae, fungi, and kelp. It is used as a pesticide, more specifically as a pre-plant biocide for a variety of plants. California Department of Pesticide Regulation (DPR) declared that iodomethane is toxic, leading it to no longer being used in Californian soil.

Iodomethane (Methyl iodide) can be retained and analyzed using the Newcrom R1 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN). Detection is performed using UV.

Method Parameters

| | |
|---------------------|---|
| Column | Newcrom R1, 4.6 x 150 mm, 5 µm, 100 Å, dual ended |
| Mobile Phase | MeCN/H ₂ O – 50/50% |
| Buffer | No |
| Flow Rate | 1.0 mL/min |
| Detection | UV, 250 nm |

Quelle: <https://sielc.com/hplc-method-for-analysis-of-iodomethane-methyl-iodide>