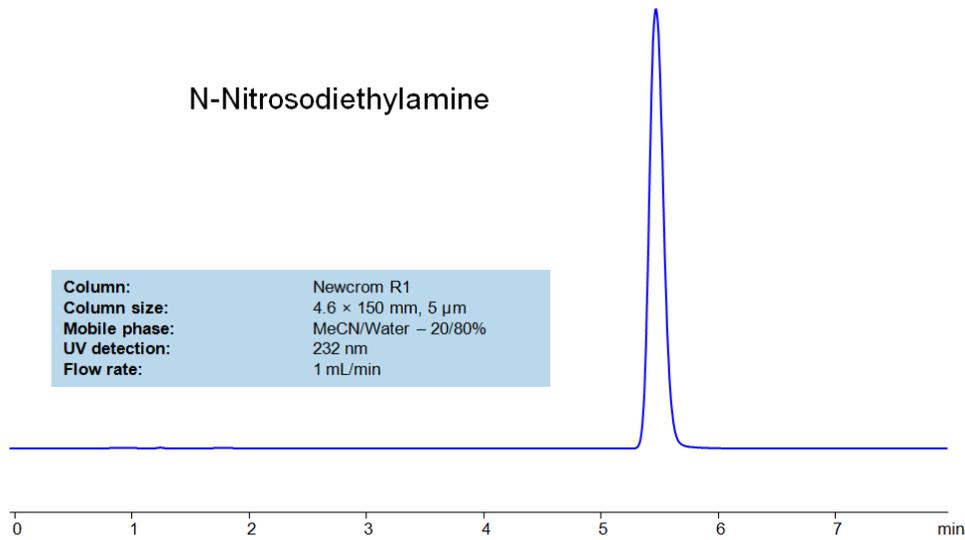


HPLC Method for Analysis of N-Nitrosodiethylamine on Newcrom R1 Column



High Performance Liquid Chromatography (HPLC) Method for Analysis of N-Nitrosodiethylamine

N-Nitrosodiethylamine (NDEA) or Diethylnitrosamine is potential carcinogenic agent was found in some blood pressure medications. Those medications were recalled by FDA with the concern of high concentration of the chemical. SIELC developed simple and fast HPLC method to measure presence of NDEA in drug formulations. This UV based method allows to detect ppb level of the compound in solution. Simple mobile phase comprised of acetonitrile (MeCN) and water with detection at 232 nm using Newcrom R1 column can be used to detect both the API and the NDEA.

Method Parameters

Column	Newcrom R1, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 20%
Buffer	No
Flow Rate	1.0 mL/min
Detection	UV, 232 nm

Quelle: <https://sielc.com/hplc-method-for-analysis-of-n-nitrosodiethylamine>