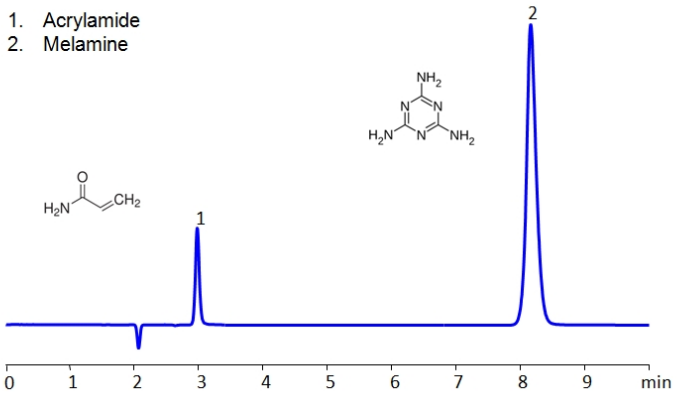
HPLC Separation of Acrylamide and Melamine on Primesep 200 Column



Column:	Primesep 200
Column size:	4.6 × 150 mm, 3 µm
Mobile phase:	H2O - 99%
Buffer:	Formic Acid – 1%
Flow rate:	1 mL/min
UV detection:	240 nm

High Performance Liquid Chromatography (HPLC) Method for Analysis of Acrylamide , Melamine .

Melamine is a nitrogen-based organic compound that was first synthesized by the German chemist Justus von Liebig in 1834. Melamine is a decorative coating that is resistant to water and mechanical damage.

Melamine is used for:

We were able to separate Melamine from Acrylamide in HPLC on Primesep 200 column using a mobile phase of water with Formic Acid buffer. This separation can be monitored with UV, ELSD, CAD detection techniques.

Method Parameters

Column	Primesep 200, 4.6 x 150 mm, 3 µm, 100 Å, dual ended
Mobile Phase	H2O – 99%
Buffer	Formic Acid – 1%
Flow Rate	1.0 mL/min
Detection	UV 240 nm

Quelle: https://sielc.com/hplc-separation-of-acrylamide-and-melamine