

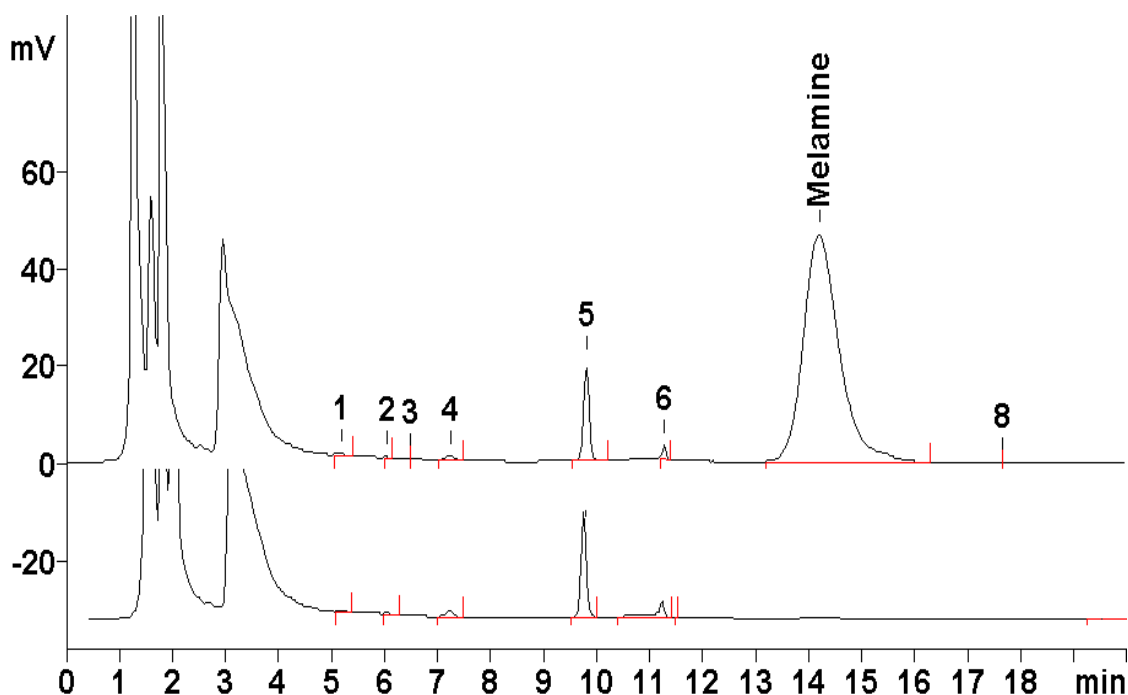
IC Application Note No. U-42

Title: Melamine in food using cation chromatography with UV/VIS detection

Summary: Determination of melamine in milk, dairy products, eggs and egg-based foodstuffs using cation chromatography with UV/VIS detection applying Inline Dialysis.

Sample: Milk products and eggs
Sample Preparation: Direct injection of the centrifuged sample applying Metrohm Inline Dialysis.

Column: 6.1050.420 Metrosep C 4 – 150
Eluent: 1.5 mmol/L sulfuric acid
Flow: 0.9 mL/min
Wavelength: 240 nm
Injection Volume: 20 µL



Results:	Melamine
Milk powder (spiked), recovery = 100.4%	20 mg/L
Method detection limit	0.13 mg/kg