

# IC Application Note No. U-42

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

**Summary:** Determination of melamin 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.

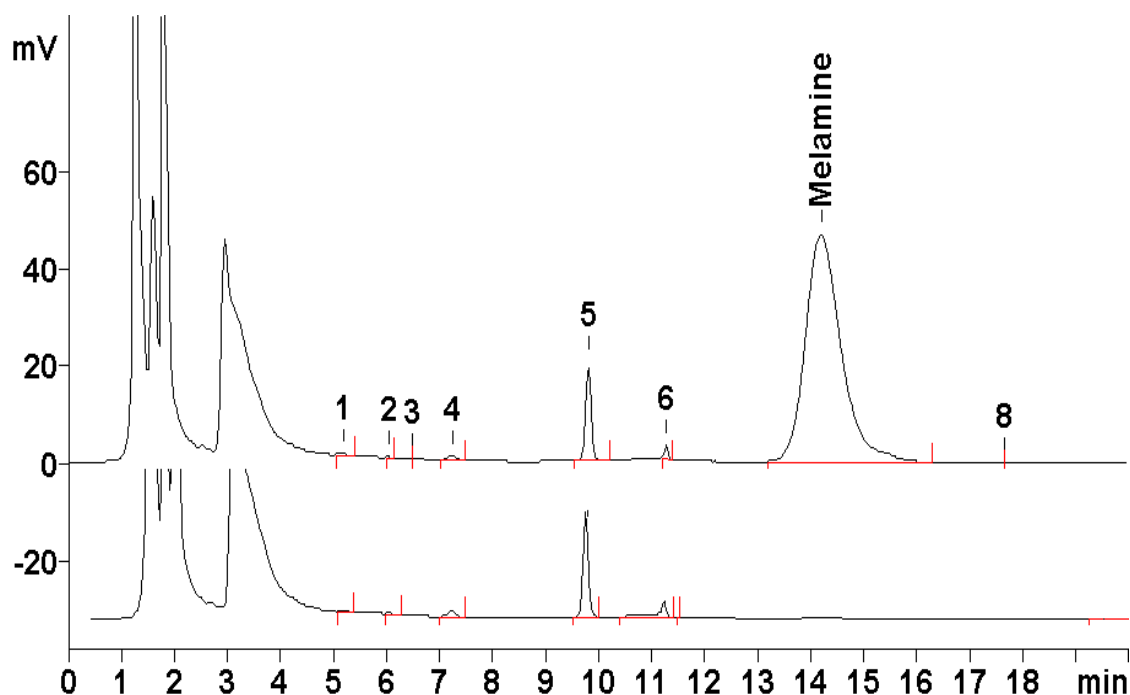
**Column:** 6.1050.420 Metrosep C 4 – 150

**Eluent:** 1.5 mmol/L sulfuric acid

**Flow:** 0.9 mL/min

**Wavelength:** 240 nm

**Injection Volume:** 20  $\mu$ L



|   |                   |
|---|-------------------|
| <b>Results:</b>                         | Melamin           |
| Milk powder (spiked), recovery = 100.4% | <b>20 mg/L</b>    |
| Method detection limit                  | <b>0.13 mg/kg</b> |