

IC Application Note No. C-109

Title: Trans-4-methylcyclohexylamine in a pharmaceutical product

Summary: Determination of trans-4-methylcyclohexylamine in a pharmaceutical product using cation chromatography with direct conductivity detection.

Sample: Pharmaceutical product

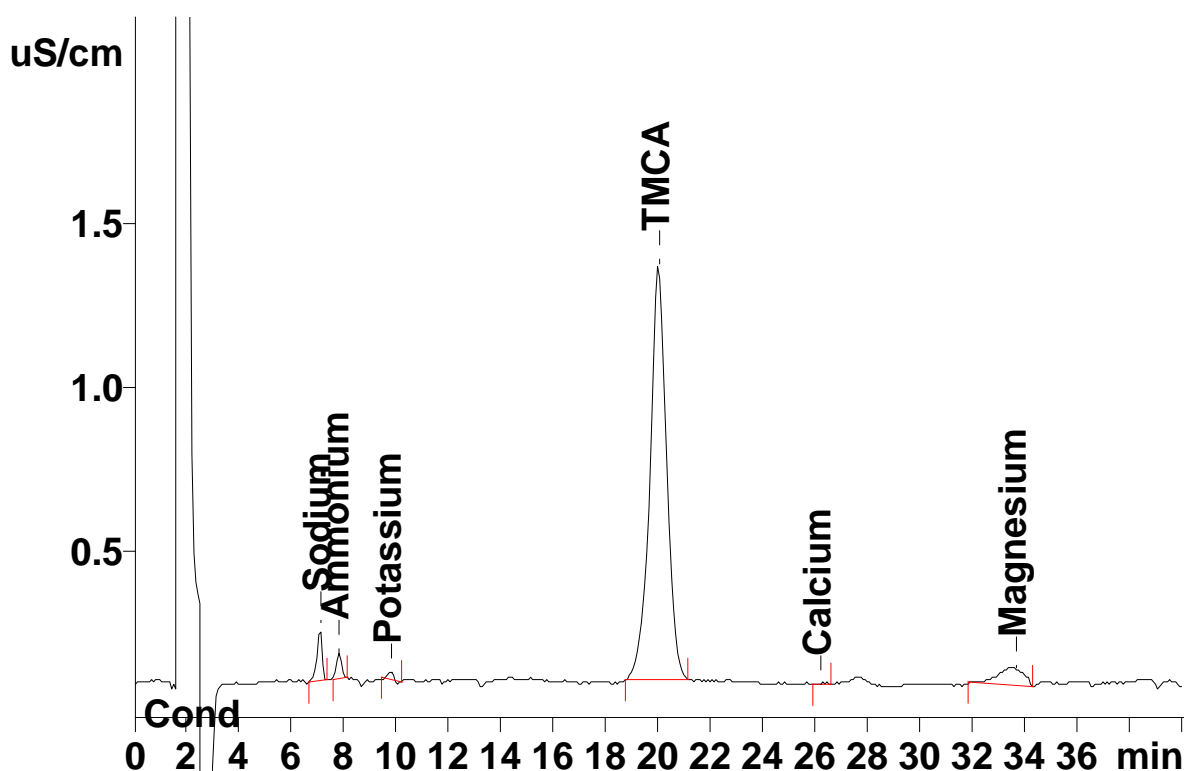
Sample Preparation: 0.1 g sample is dissolved in 100 mL of eluent. Injection after filtration (0.2 μm) and C18 cartridge sample preparation.

Column: 6.1010.230 Metrosep C 2 – 250

Eluent: 2 mmol/L nitric acid
10% acetone

Flow: 1.0 mL/min

Injection Volume: 100 μL



| Results: | Sodium | Ammonium | Potassium | TMCA mg/g | Calcium | Magnesium |
|-----------------|--------|----------|-----------|--------------|---------|-----------|
| | n.q. | n.q. | n.q. | 5.12 | n.q. | n.q. |