

IC Application Note No. C-119

Title: Bethanechol Chloride and calcium in tablets
(Metrosep C 4 – 150)

Summary: Determination of Bethanechol Chloride and calcium in tablets using cation chromatography with direct conductivity detection.

Sample: Bethanechol tablets

Sample Preparation: 0.18 g of ground tablets (10 pieces) dissolved in 2 mmol/L HNO₃

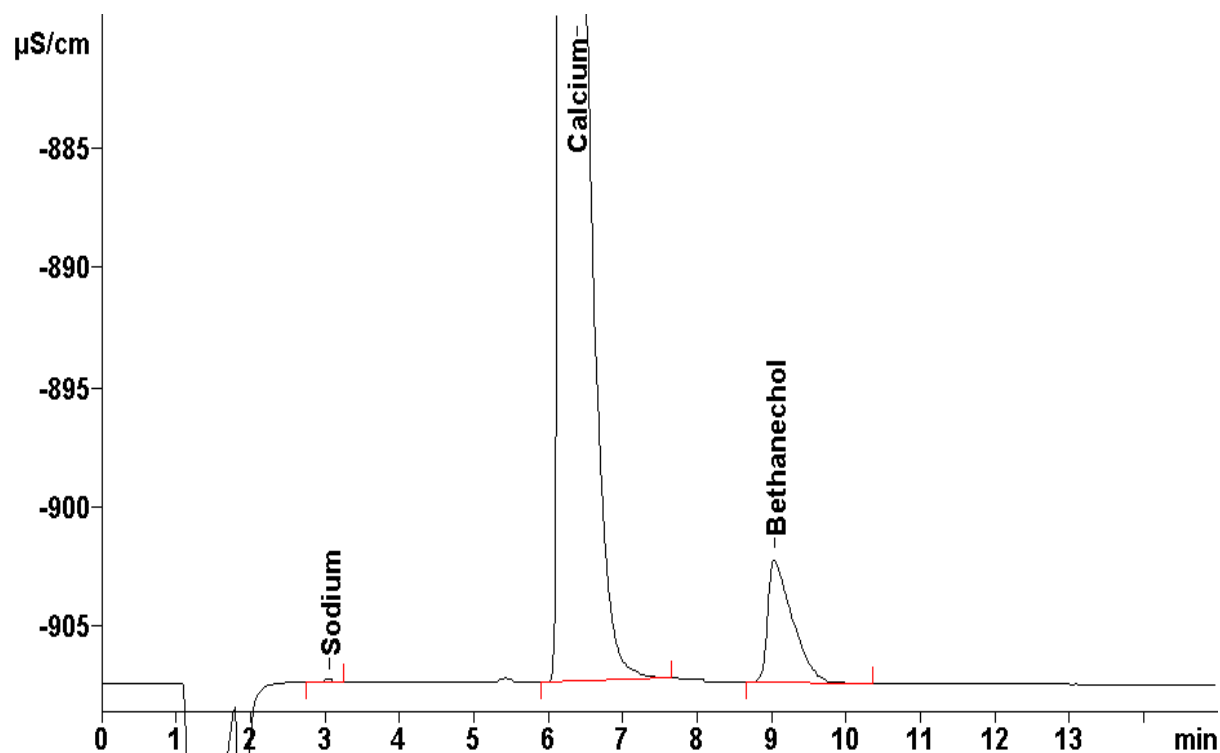
Column: 6.1050.420 Metrosep C 4 – 150

Temperature: 35 °C

Eluent: 3.5 mmol/L nitric acid, 10% acetone

Flow: 1.0 mL/min

Injection Volume: 20 µL



Results:	Sodium mg/tablet	Calcium mg/tablet	Bethanechol mg/tablet	Recovery %
	n.q.	n.q.	24.94	99.7

The same determination according to Application Note C-80 (Metrosep C 2 – 150) gave identical results.