

IC Application Note No. C-85

Title: Betain in an Echinacea product

Summary: Determination of betain besides standard cations in an Echinacea product using cation chromatography with direct conductivity detection.

Sample: Echinacea sap

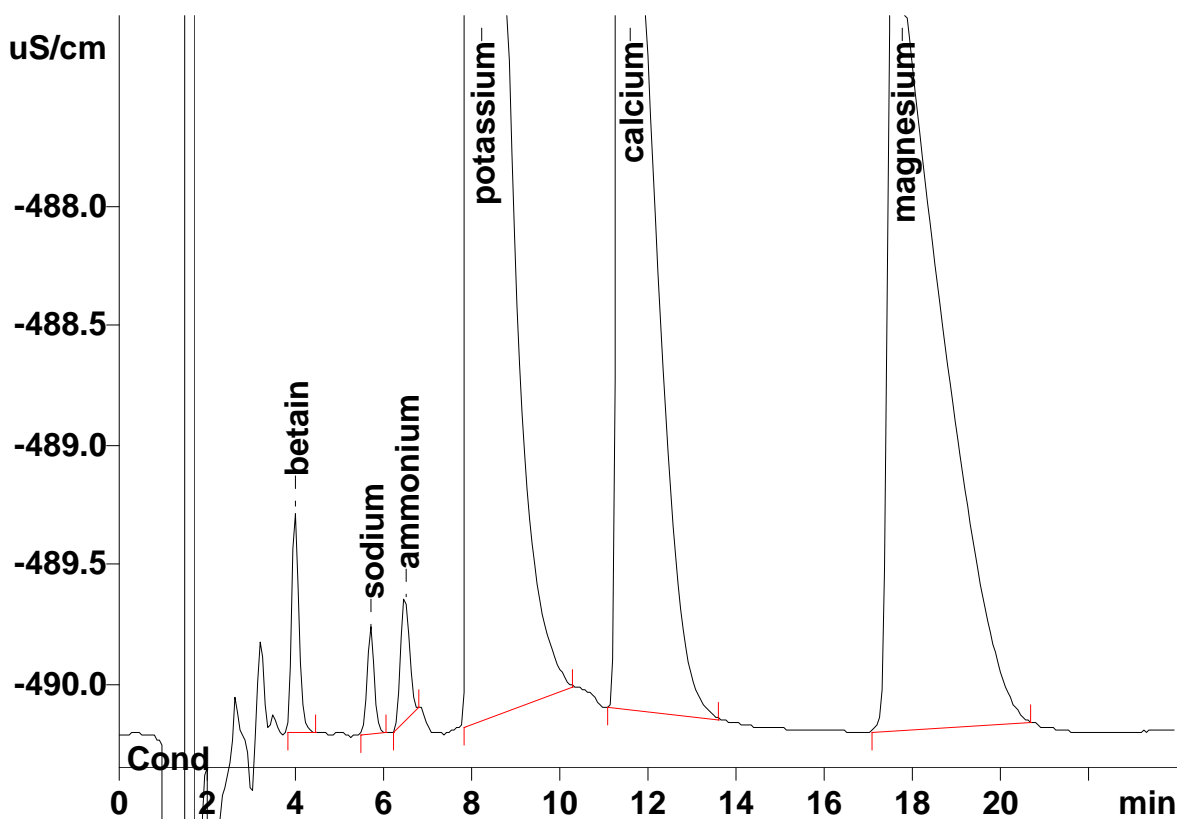
Sample Preparation: Dilution 1 : 10 in ultrapure water

Column: 6.1010.220 Metrosep C 2 – 150

Eluent: 4.0 mmol/L tartaric acid
0.75 mmol/L dipicolinic acid, 7.5% acetone

Flow: 1.0 mL/min

Injection Volume: 20 µL



Results:	Betain mg/L	Sodium	Ammonium	Potassium	Calcium	Magnesium
	593.8	n.q.	n.q.	n.q.	n.q.	n.q.