

IC Application Note No. S-194

Title: Iodide in human urine

Summary: Determination of iodide in a human 24 hour urine sample using anion chromatography with amperometric detection after chemical suppression. The result agrees with that of the photometric method. UV detection did not work.

Sample: 24 hour urine

Sample Preparation: Direct injection after filtration (0.2 µm)

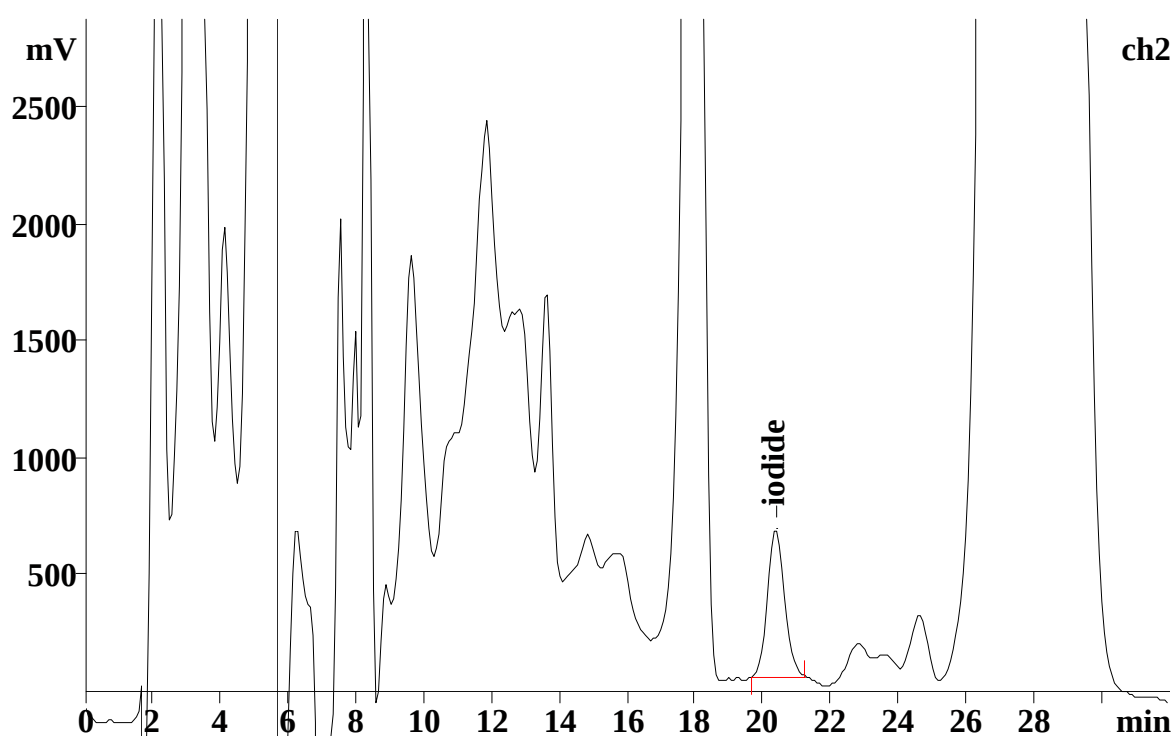
Column: 6.1006.520 Metrosep A Supp 5 – 150

Eluent: 3.8 mmol/L sodium carbonate
1.2 mmol/L sodium hydrogencarbonate

Suppressor: Metrohm Suppressor Module (MSM, 50 mmol/L sulfuric acid)

Flow: 0.7 mL/min

Injection Volume: 20 µL



Results:

Iodide
µg/L

117