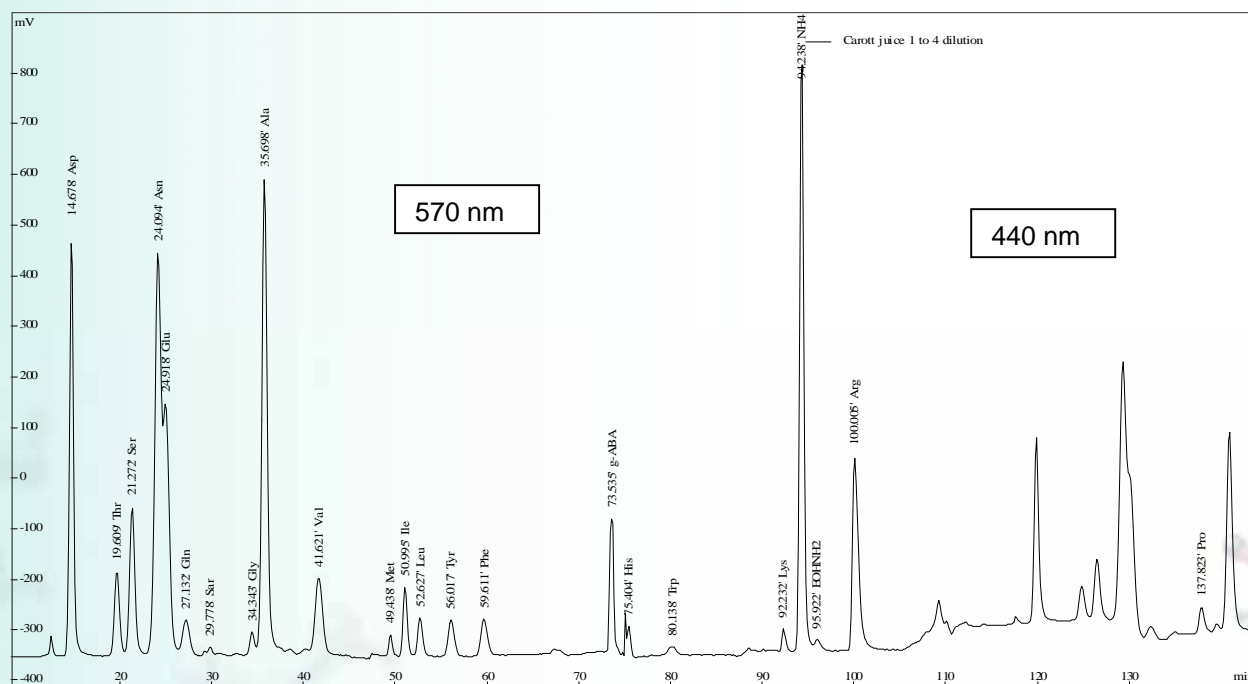


APPLICATION NOTE

Analysis of Carrot Juice



Carrot juice has a broad spectrum of free amino acids; high concentrations of aspartic acid, asparagines, glutamic acid, alanine and ammonia are detected.

Operation Data:

Instrument

Amino Acid Analyzer ARACUS

Elution Buffers

Membrapure Ready-to-Use Buffers A, B, C, D, E and F

Reagent

Membrapure "Reagent for Derivatization"

Pre-Column

narrow bore, stainless steel, 30 mm

Column

narrow-bore, stainless steel, 125 mm, ID 3 mm

Method of Detection

Postcolumn-derivatization with Ninhydrin

Detection wavelength

570 nm and 440 nm for detection of Proline and Hydroxyproline

Sample

Carrot juice 1 to 4 diluted

Sample Preparation

Membrapure Sample Preparation Kit

Data Acquisition & Analysis Software

iPeak