

Separation of D,L-Tryptophan and Aromatic acids

Method
HPLC

VBS0009J
RP Mode

Column: Eurospher 100-5 C18, 250 x 4.0 mm ID

Order No. 25DE181ESJ

Phase: Eurospher 100-5 C18

Conditions: Eluent: Methanol / Water (30:70)
with 6 g/l Ammonium acetate and 1.5 g/l Sulphuric acid
Gradient: isocratic
Flow rate: 0.7 ml/min
Temperature: 25 °C
Volume: 10 µl (40 ng each)

Detection: Amperometric detection, +1000 mV / 800 mV, range 100 nA

Substances: Dihydroxyphenylacetic acid, Tryptophan, Homovanillic acid

Keywords: Biogenic amines, Aromatic acids

Chromatogram:

1. 3,4-Dihydroxyphenylacetic acid,
2. D,L-tryptophan,
3. Homovanillic acid

