

Analysis of Flavonoids in fruit juice

Method
HPLC

VFD0042J
RP Mode

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

Order No. 25DE181ESJ

Phase: Eurospher 100-5 C18

Conditions: Eluent: 5 mM Ammonium acetate / Acetonitrile (75:25)
(pH 4,45; adjusted with conc. Acetic acid)
Gradient: isocratic
Flow rate: 1.0 ml/min
Temperature: 40 °C
Volume: 5 µl

Detection: UV at 285 nm

Substances: Naringin, Hesperidin

Keywords: Flavonoids, Beverage (orange juice sample)

Chromatogram:

1. Naringin (28.03 ppm)
2. Hesperidin (79.25 ppm)

