

HPLC determination of Amines in wine with precolumn derivatization (OPA)

Method VFD0026J
HPLC RP Mode

Column: Eurospher 100-5 C18, 250 x 4.6 mm ID

Order No. 25EE181ESJ

Phase: Eurospher 100-5 C18

Conditions: Eluent: 0.08 M Acetic acid / Acetonitrile (70:30) 3 min
Gradient: in 6.5 min to 65% Acetonitrile, in 11 min to 72% Acetonitrile, in 1 min to 80% Acetonitrile, 3 min hold
Flow rate: 1.0 ml/min
Temperature: ambient
Volume: 20 µl

Detection: Fluorescence: excitation 230 nm, emission 440 nm

Substances: Cadaverine, Heptylamine, Histamine, Isoamylamine, Pentyl-i-amine, Phenethylamine, Putrescine

Keywords: Amines, Precolumn derivatization , OPA

Chromatogram:

1. Histamine
2. Tyramine
3. Putrescine
4. Phenethylamine
5. Cadaverine
6. Isoamylamine
7. internal Standard IS

