

Separation of Amines in wine with precolumn derivatization (DANSYL)

Method
HPLC

VFD0025J
RP Mode

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

Order No. 25EE181ESJ

Phase: Eurospher 100-5 C18

Conditions: Eluent: Acetonitrile / Water (30:70)
Gradient: over 40 min to 60% Acetonitrile and 15% Ethanol in water, 10 min hold
Flow rate: 1.0 ml/min
Temperature: ambient
Volume: 20 µl

Detection: Fluorescence: excitation 338 nm, emission 455 nm

Substances: Ethanolamine, Ammonia, Methylamine, Serotonin, Ethylamine, Morpholine, Isopropylamine, Dimethylamine, Propylamine, Pyrrolidine, Pyrrolidone, Octopamine, Indole, Butylamine, Diethylamine, Phenethylamine, Methylbutylamine, Isopentylamine, Pentylamine, Piperidine, Diaminopropane, Diaminobutane, Hexylamine, Diaminopentane, Histamine

Keywords: Amines, Precolumn derivatization , DANSYL

Chromatogram:

1. Ethanolamine,
2. Ammonia,
3. Methylamine,
4. Serotonin,
5. Ethylamine,
6. Morpholine,
7. Isopropylamine,
8. Dimethylamine,
9. Propylamine
10. Pyrrolidine,
11. 2-Pyrrolidone,
12. Octopamine,
13. Indole
14. Butylamine,
15. Diethylamine,
16. Phenethylamine,
17. 2-Methylbutylamine,
18. Isopentylamine,
19. Pentylamine,
20. Piperidine,
21. 1,3-Diaminopropane,
22. 1,4-Diaminobutane,
23. Hexylamine,
24. 1,5-Diaminopentane,
25. Histamine

