

## Determination of Dispersion dyes with AZURA Analytical

**Method** VEV0076J  
**HPLC** RP mode

**Column:** Eurospher II 100-3 Phenyl, 100 x 3 mm ID

**Order No. 10CE050E2G**

**Phase:** Eurospher II 100-3 Phenyl

**Conditions:** Eluent: A: Water  
B: Acetonitrile  
Gradient: 0.0 – 3.0 min 50 % B  
3.0 – 4.0 min 50 – 80 % B  
4.0 – 5.0 min 80 % B

Flow rate: 0.8 ml/min  
Temperature: 30 °C  
Volume: 1 µL

UV with different wavelengths for every substance at 20 Hz, 0,05 s:

**Detection:** Yellow 3 at 355 nm  
Orange 3 and Orange 37 at 440 nm  
Red 1 at 500 nm  
Blue 124 at 615 nm

**Substances:** Yellow 3, Orange 3, Orange 37, red 1, blue 124

**Keywords:** AZURA Analytic, Environment, Dyes

Chromatogram:

All recorded wavelengths added to  
create one chromatogramm

- 1 Yellow 3
- 2 Orange 3
- 3 red 1
- 4 blue 124
- 5 Orange 37

