Determination of Ochratoxin A and Sterigmatocystein via DAD and FLD

Method **RP Mode**
HPLC **VFD0142J**

Column: Eurospher II 100-3 C18, 150 x 3 mm ID with integrated precolumn **Order No. 15XE181E2G**

Phase: Eurospher II 100-3 C18

Conditions:

Eluent:	A: Water
	B: Acetonitrile gradient grade
Gradient:	0 – 20 min 10 – 90 % B
	20 – 25 min 90 % B
	25 – 30 min 90 – 10 % B
	30 – 40 min 10 % B
Flow rate:	1.0 ml/min
Temperature:	40 °C
Volume:	5 µl (10 µl sample loop)

Detection: Fluorescence RF-20AXs, Ex 329 nm Em 460 nm, 5 Hz, 0.1 s, Sensitivity: High, Gain x16
UV DAD6.1L with High Sensitivity KNAUER LightGuide UV Flow Cell 329 nm, 20 Hz, 0.05 s

Substances: 0.01 mg/ml Ochratoxin A and 0.001 mg/ml Sterigmatocystein

Keywords: OTA, Ochratoxin A, Sterigmatocystein, Mycotoxins, Food analysis, Food safety

Chromatogram:

1. Ochratoxin A (FLD - blue)
2. Sterigmatocystein (DAD – green)