Separation of Mycotoxins with HPLC/UV

Application Note

Pharmaceutical

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Introduction

Using HPLC, the Agilent Pursuit XRs Ultra 2.8 Diphenyl column provides good separation of mycotoxins (ß-Zearalenol, α-Zearalenol, Zearalanon [IS], and Zearalenon) with isocratic elution and a fast run time.

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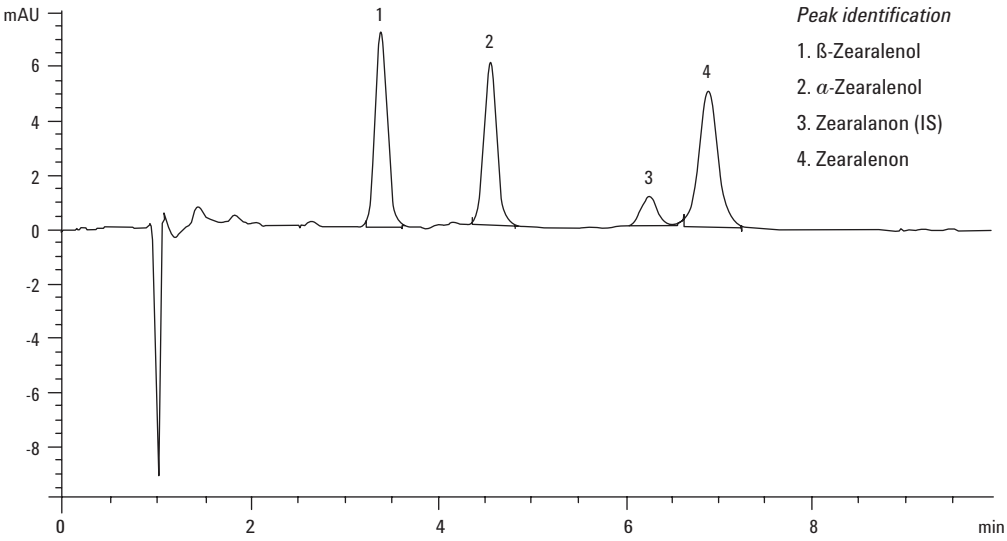
Conditions

Column	Agilent Pursuit XRs Ultra 2.8 Diphenyl, 2.0 × 100 mm, 2.8 µm (p/n A7521100X020)
Sample size	5 µL
Sample concentration	1 µg/mL
Sample solvent	Acetonitrile
Mobile phases	A: 0.005 M ammonium acetate, 0.1% methanol, 0.02% formic acid, pH 3.6 B: methanol
Gradient	Isocratic A:B 40:60
Flow rate	0.4 mL/min
Temperature	40 °C
Pressure	180 bar
Detector	UV, 236 nm



Conclusion

The Agilent Pursuit XRs Ultra 2.8 Diphenyl column provided good separation with isocratic elution and fast analysis.

For More Information

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