

Separation of Mycotoxins with HPLC/UV

Application Note

Pharmaceutical

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Introduction

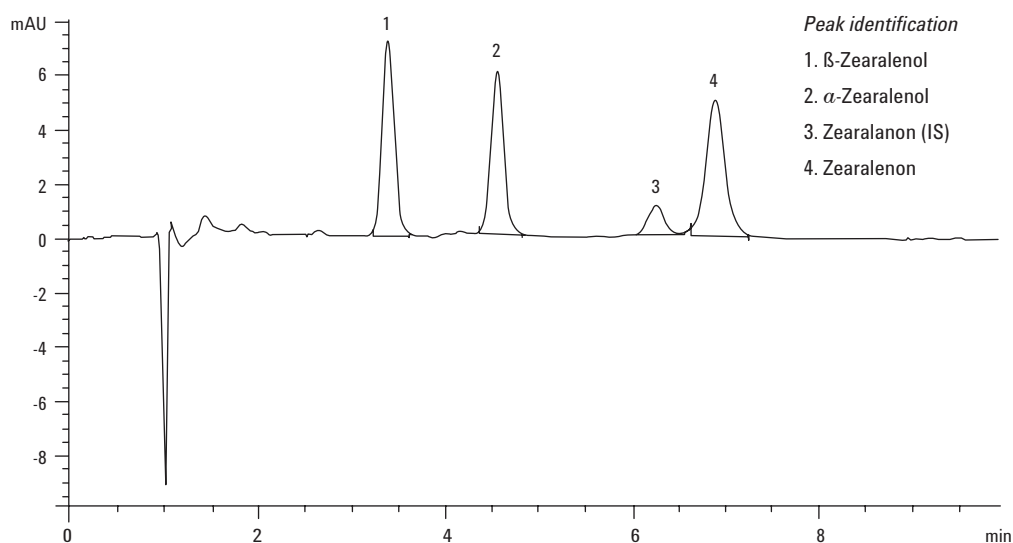
Using HPLC, the Agilent Pursuit XRs Ultra 2.8 Diphenyl column provides good separation of mycotoxins (β -Zearalenol, α -Zearalenol, Zearalanon [IS], and Zearalenon) with isocratic elution and a fast run time.



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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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